

02/17/2015 -----NSR IMS - PROJECT RECORD -----

PROJECT#: 228969 PERMIT#: 130211 STATUS: PENDING DISP CODE: _____
RECEIVED: 02/13/2015 PROJTYPE: INITIAL AUTHTYPE: STDPMT ISSUED DT: _____
RENEWAL: _____
PROJECT ADMIN NAME: ROCK CRUSHER
PROJECT TECH NAME: ROCK CRUSHER

Assigned Team: MECH/CONST TEAM

STAFF ASSIGNED TO PROJECT:

MONROE, SHEILA - REVIEWR1_2 - AP INITIAL REVIEW
TEAM LEADER, M/C - REVIEW ENG - MECH/CONST TEAM

CUSTOMER INFORMATION (OWNER/OPERATOR DATA)

ISSUED TO: CHANAS AGGREGATES BLANCO, LLC
COMPANY NAME: Chanas Aggregates Blanco, LLC
CUSTOMER REFERENCE NUMBER: CN604749184

TRV-532120

PIRCRSP-532121

REGULATED ENTITY/SITE INFORMATION

REGULATED ENTITY NUMBER: RN108039520 ACCOUNT: _____
PERMIT NAME: CHANAS AGGREGATES BLANCO ROCK CRUSHER 1

PROJECT AI LOCATION

REGION 11 - AUSTIN
APPLIED FOR NEAR CITY NAME: JOHNSON CITY APPLIED FOR COUNTY NAME: BLANCO
APPLIED FOR PHYSICAL LOCATION: FROM THE INTX OF HWY 290 AND HWY 281 IN JOHNSON CITY GO 5.5
MI W ON HWY 290 TURN R ON TRIPLE S TRAIL GO 1.5 MI TO DESTINATION ON L W SIDE OF RD

CONTACT DATA

CONTACT NAME: MR KEITH JACKSON CONTACT ROLE: RESPONSIBLE OFFICIAL
JOB TITLE: VICE PRESIDENT ORGANIZATION: CHANAS AGGREGATES BLANCO LLC
MAILING ADDRESS: 7850 E STATE HIGHWAY 29, LLANO, TX, 78643-3836
PHONE: (325) 247-3444 Ext: 0
EMAIL: CHANASAGGREGATES@YAHOO.COM

CH 2/26/15
RE - N/A
CO - N/A

PROJECT NOTES:

02/17/2015 DFC 2/17/15

PERMIT NOTES:

FEE:

Reference	Fee Receipt Number	Amount	Fee Receipt Date	Fee Payment Type
5105	M58464	900.00	19 Feb 15	CHECK

TRACKING ELEMENTS:

TE Name	Start Date	Complete Date
APIRT RECEIVED PROJECT (DATE)	02/17/2015	
APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE)	02/17/2015	
CENTRAL REGISTRY UPDATED		
COMPLIANCE HISTORY REVIEW COMPLETED (DATE)		
DEFICIENCY CYCLE		
DRAFT PERMIT RFC SENT TO REGION (DATE)		
ENGINEER INITIAL REVIEW COMPLETED (DATE)		
ENHANCED ADMINISTRATIVE OR APPLICATIONS REVIEW (EAR)		

Don Nelon

From: katherine.romans@gmail.com on behalf of Katherine Romans
<katherine@hillcountryalliance.org>
Sent: Wednesday, April 01, 2015 1:35 PM
To: Don Nelon
Subject: Contact information

Hi Don,

Thanks for taking the time to chat with me this morning. Just wanted to follow up with an email so you have my contact information. I will plan on stopping by TCEQ to take a look at the Chanas Aggregates Application this afternoon.

Best,
Katherine

--
Katherine Romans | Program Manager
Hill Country Alliance
15315 Highway 71 West
Bee Cave, Texas 78738
512.410.9368 (c) | 512.263.3471 (f)
katherine@hillcountryalliance.org

Don Nelon

From: Don Nelon
Sent: Wednesday, April 01, 2015 10:32 AM
To: Bonnie Evridge
Subject: Attorney assignment and public meeting review

Bonnie,

Chanas Aggregates Blanco, LLC has applied to register a rock crusher under the Permanent Rock and Concrete Crusher Standard Permit near Johnson City, Blanco County. The registration number is 130211.

The application has received 2 comments and 1 meeting request.

Request attorney assignment to determine if a public meeting will be held.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

Don Nelon

From: Catie Arnold
Sent: Thursday, March 26, 2015 11:58 AM
To: Mike Wilson
Cc: David Ferrell; Bonnie Evridge; Don Nelon
Subject: RE: Chanas Aggregates, 130211

Thanks Mike! Just as an FYI Fraser's office is asking about requesting a public meeting on this permit.

From: Mike Wilson
Sent: Thursday, March 26, 2015 11:45 AM
To: Catie Arnold
Cc: David Ferrell; Bonnie Evridge; Don Nelon
Subject: FW: Chanas Aggregates, 130211

Catie, please let me know if you need more. Thanks, Mike

The application for the standard permit is technically complete. The Notice of Receipt of Application and Intent to Obtain Permit was published on March 19, 2015 in the *Johnson City Record Courier*. The comment period will conclude on April 17, 2015. As of March 26, 2015 we have not received any public comments or meeting requests.

On February 17, 2015, Chanas Aggregates Blanco, LLC applied to register a permanent rock and concrete crushing standard permit to be located at the intersection of Hwy 290 and 281 near Johnson City in Blanco County (Permit No. 130211). The facility will consist of a primary and secondary crusher. The primary crusher will have a maximum throughput of 200 tons per hour and a maximum operating schedule not to exceed 2,640 hours per year. The crushers and associated facilities will not operate at night.

March 16, 2015

Mr. Don Nelon
Air Permits Division (MC-163)
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Via Certified Mail, Return Receipt Requested
7014 3490 0000 6889 7606

**RE: Chanas Aggregates Blanco, LLC
Johnson City Site
Permit Number 130211
CN604749184
RN108039520**

AIR PERMITS DIVISION

MAR 16 2015

HAND-DELIVERED

Updates to Permanent Rock Crusher Standard Permit Application

Dear Mr. Nelon:

Please find below the responses to your request for information received via email on February 26, 2015. These responses were provided via email on February 27, 2015 and March 3, 2015. This transmittal is being provided to document the application file in the Air Permits Division and at the Austin Regional Office.

1. *Texas Commission on Environmental Quality (TCEQ) Comment* - I forgot to mention we also need TCEQ Checklist 20335 completed and submitted.

Response - Checklist 20335 (Standard Permits General Requirements Checklist) has been completed and is attached.

2. *TCEQ Comment* - Section V. of the PI-1S was not answered. Please provide an update Section V.

Response - There were two Page 4s included in the application; 1 had the applicant's signature and the other had Section V completed but did not have the applicant's signature. A note concerning this was included in the original cover letter.

3. *TCEQ Comment* - Please provide a plot plan that meets the requirements of the PI-1S instructions for Item V. C.

Response - The plot plan has been revised and is attached. Revisions to the plot plan include adding two benchmark locations along the property boundary (northwest and southwest corners of the property line), identifying the proposed location of the diesel fuel tank which will be authorized by Title 30 of the Texas Administrative Code (TAC)

§106.412 and identifying the initial location of the primary and secondary crushing operations. Please note that the applicant intends to move the emission points associated with the crushing operations around within the rock crushing plant (red dashed area on plot plan), as necessary.

4. *TCEQ Comment* - Item (1)(G) on the Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist is currently marked N/A for the compliance history question. Please provide either a “yes” or “no” response to this question.

Response - Item (1)(G) has been marked ‘no’ on the Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist. A revised Page 2 of the Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist is attached.

5. *TCEQ Comment* - Item (3)(C) on the checklist is currently marked “yes” indicating there are no permanent residences within 440 yards of the proposed location of the crusher and associated equipment. Using Google Earth there appear to be two permanent residences that fall within 440 yards of the proposed location. One of these residences was identified in the site map, the other residence appears to be before the left turn to the site. Please confirm that neither the crushers nor associated equipment will be located within 440 yards of either of these residences.

Response - It is our understanding that the other ‘structures’ that are within the immediate surrounding area of the property are either old buildings/barns or hunting leases that are not occupied on a regular basis and would not be deemed as permanent residences. A 440 yard radius around the permanent residence that is identified on the map has been included to identify the area on the property where crushing operations will not take place in order to meet the standard permit setback/distance requirements (refer to the purple area where the 440 yard radius and the red dashed footprint overlap).

6. *TCEQ Comment* - Please remember the diesel fuel tank will not be authorized by the standard permit.

Response - Emissions from the diesel fuel tank will be authorized by 30 TAC 106.412 – Fuel Dispensing.

Additionally, the following documents have been updated to include an additional drop point/conveyor proposed for the material handling associated with the VSI Crusher:

- Process description;
- Process flow diagram;

- Estimated emissions summary; and
- Material handling emissions calculations.

The process flow diagram has also been updated to include the associated screening units, to identify the material handling locations and to include a note about initial orientation of the equipment at the site.

Should questions arise, please contact me at 512.327.2725 or via email at Jonathan@hillcountryenv.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jonathan Martin', with a long horizontal flourish extending to the right.

Jonathan Martin
Air Project Manager

Attachments

cc: Mr. Keith Jackson, Chanas Aggregates Blanco, LLC
Texas Commission on Environmental Quality, Region 11, Austin

List of Attachments

Standard Permits General Requirements Checklist

Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist – Page 2

Plot Plan

Process Description

Process Flow Diagram

Estimated Emissions Summary

Material Handling Emissions Calculations

Emails from TCEQ Requesting the Information Dated February 26, 2015

Texas Commission on Environmental Quality
Air Quality Standard Permits
General Requirements Checklist
Title 30 Texas Administrative Code §§116.610-116.615

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The SP forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division web site at:
www.tceq.texas.gov/permitting/air/nav/standard.html.

Most Standard Permits require registration with the commission's Office of Permitting, Remediation, and Registration in Austin. The facilities and/or changes to facilities can be registered by completing a Form PI-1S, "Registration for Air Standard Permit." This checklist should accompany the registration form to expedite any registration review.

CHECK THE MOST APPROPRIATE ANSWERS AND FILL IN THE REQUESTED INFORMATION		
Rule	Questions/Description	Response
116.610(a)(1)	Are there net emissions increases associated with this registration?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<i>If "YES," will net emission increases of air contaminants from the project, other than those for which a National Ambient Air Quality Standard (NAAQS) has been established, meet the emission limits of § 106.261 or § 106.262?</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<i>If "NO," does the specific standard permit exempt emissions from this limit?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
Attach emissions summary and calculations:		
116.610(a)(3)	Do any of the Title 40 Code of Federal Regulations Part (CFR) 60, New Source Performance Standards apply to this registration?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," list subparts: OOO – Standards of Performance for Nonmetallic Mineral Processing Plants</i>		
116.610 (a)(4)	Do any Hazardous Air Pollutant requirements apply to this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," list subparts</i>		
116.610 (a)(5)	Do any maximum achievable control technology (MACT) standards as listed under 40 CFR Part 63 or Chapter 113, Subchapter C (National Emissions Standard for Hazardous Air for Source Categories) apply to this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," list subparts:</i>		
116.610(a)(6)	Will additional emission allowances under Chapter 101, Subchapter H, Division 3, Emissions Banking and Trading, need to be obtained following this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
116.611(a)(1-6)	Is the following documentation included with this registration:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Emissions calculations including the basis of the calculations?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Quantification of all emission increases and/or decreases associated with this project?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Sufficient information demonstrating that this project does not trigger PSD or NNSR review?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Description of efforts to minimize collateral emissions increases associated with this project?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Process descriptions including related processes?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Description of any equipment being installed?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

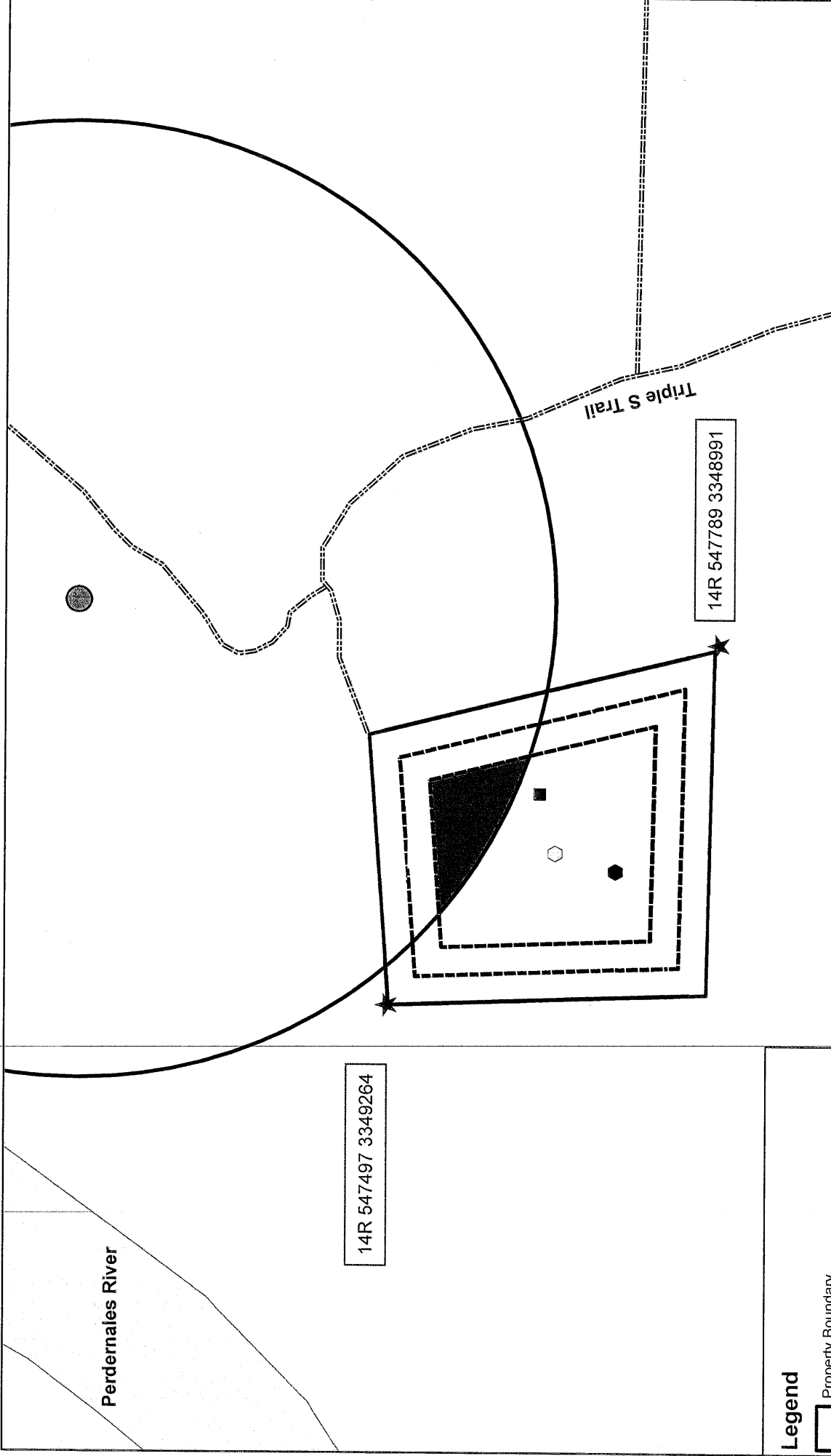
Texas Commission on Environmental Quality
Air Quality Standard Permits
General Requirements Checklist
Title 30 Texas Administrative Code §§116.610-116.615

Rule	Question/Description	Response
116.614	Are the required fee and a copy of the check or money order provided with the application?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(1)	Will emissions from the facility comply with all applicable rules and regulations of the commission adopted under Texas Health and Safety Code, Chapter 382, and with the intent of the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(2)	Do you understand that all representations with regard to construction plans, operating procedures, and maximum emission rates in this registration become conditions upon which the facility will be constructed and operated?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(3)	Do you understand that all changes authorized by this registration need to be incorporated into the facility's permit if the facility is currently permitted under §116.110 (relating to Applicability)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>List all related permit numbers:</i>		
116.615(9)617(e)(1)	Will all air pollution emission capture and abatement equipment be maintained in good working order?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(10)	Will the facility comply with all applicable rules and regulations of the TCEQ, the Texas Health and Safety Code, Chapter 382, and the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
CONDITION NUMBER AND DESCRIPTION <i>(continued)</i>	
(1)(F)	Is there a rock crusher (or concrete crusher) authorized under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, at this site? Have you withdrawn, within the previous 12 months, an application for authorization of a crushing facility under (THSC) § 382.0518, Preconstruction Permit, at this site?
	<div style="text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(G)	Are the current registration form PI-1S entitled, "Registration for an Air Standard Permit", Table 17 and supporting information attached or mailed to the TCEQ, including Table 29 (if applicable), control devices and methods explanation, process flow diagram, process description, plot plan, and area map? Is the company's compliance history rating poor?
	<div style="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(H)	Has construction and/or operation begun on the facility? Is there a non operational crusher stored onsite?
	<div style="text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(I)	In accordance with 30 TAC § 116.614, Standard Permit Fees, was a \$900 fee sent to TCEQ Revenue Section?
	<div style="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(J)	Will all facilities associated with this application for a standard permit comply with the conditions of Title 40 Code of Federal Regulations (40 CFR) Part 60, Subpart A, General Provisions and Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants?
	<div style="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(K)	Will these crushing facilities only process nonmetallic minerals or a combination of nonmetallic minerals as described in 40 CFR Part 60, Subpart OOO?
	<div style="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(L)	Is 30 TAC Chapter 101, Subchapter H, Division 3, Mass Emissions Cap and Trade Program; or 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds applicable to this plant?
	<div style="text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </div>
(1)(M)	Will written records be kept for a rolling 24-month period at the site and made available at the request of any personnel from the TCEQ or any air pollution control program having jurisdiction? Will these written records be maintained onsite to show daily hourly operations and hourly throughput; road and work area cleaning and dust suppression logs; and stockpile dust suppression logs?
	<div style="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </div>



Perdarnales River

14R 547497 3349264

14R 547789 3348991

Triple S Trail

Legend

- Property Boundary
- 200 ft Buffer - Rock Crushing Plant
- 100 ft Buffer - Stockpiles and Vehicle Traffic
- Nearest Permanently Occupied Structure/Residence
- 440 yd Buffer - Nearest Structure
- No Crushing Operations
- EPN CR-1 Jaw Crusher and associated equipment
- EPN CR-2 VSI Crusher and associated equipment
- 5000 gallon Diesel Tank
- Benchmark Locations

Source:

Google Earth 2014, Google Maps

Datum: WGS 1984



Chanas Aggregates Blanco, LLC
Johnson City, Texas
Plot Plan



1613 S. Capital of Texas Hwy
Suite 201
Austin, Texas 78746

Location:

30° 16' 23.33" N
98° 30' 16.82" W

1 inch = 391 feet

March 2015

Chanas Aggregates Blanco, LLC – Johnson City Site Process Description

Chanas Aggregates Blanco, LLC will be blasting rock on approximately 40 acres of land. Once the rock has been blasted, the material will be transferred by a front-end loader at a maximum rate of 200 tons per hour (tph) and 528,000 tons per year (tpy) into a Cedarapids 3042 jaw crusher. Crushed material will be sorted through a screen and into three different stockpiles based on product size. After separation into the designated stockpiles, a 500 Sandmax Vertical Shaft Impact (VSI) Crusher will be utilized for secondary crushing as necessary. The VSI crusher will be loaded using a front-end loader at a maximum rate of 200 tph and 528,000 tpy to crush material into smaller pieces. Once crushed into smaller pieces, the rock gets separated through a screener and goes into four stockpiles based on size. The total combined stockpiles will cover a maximum of 4 acres of land.

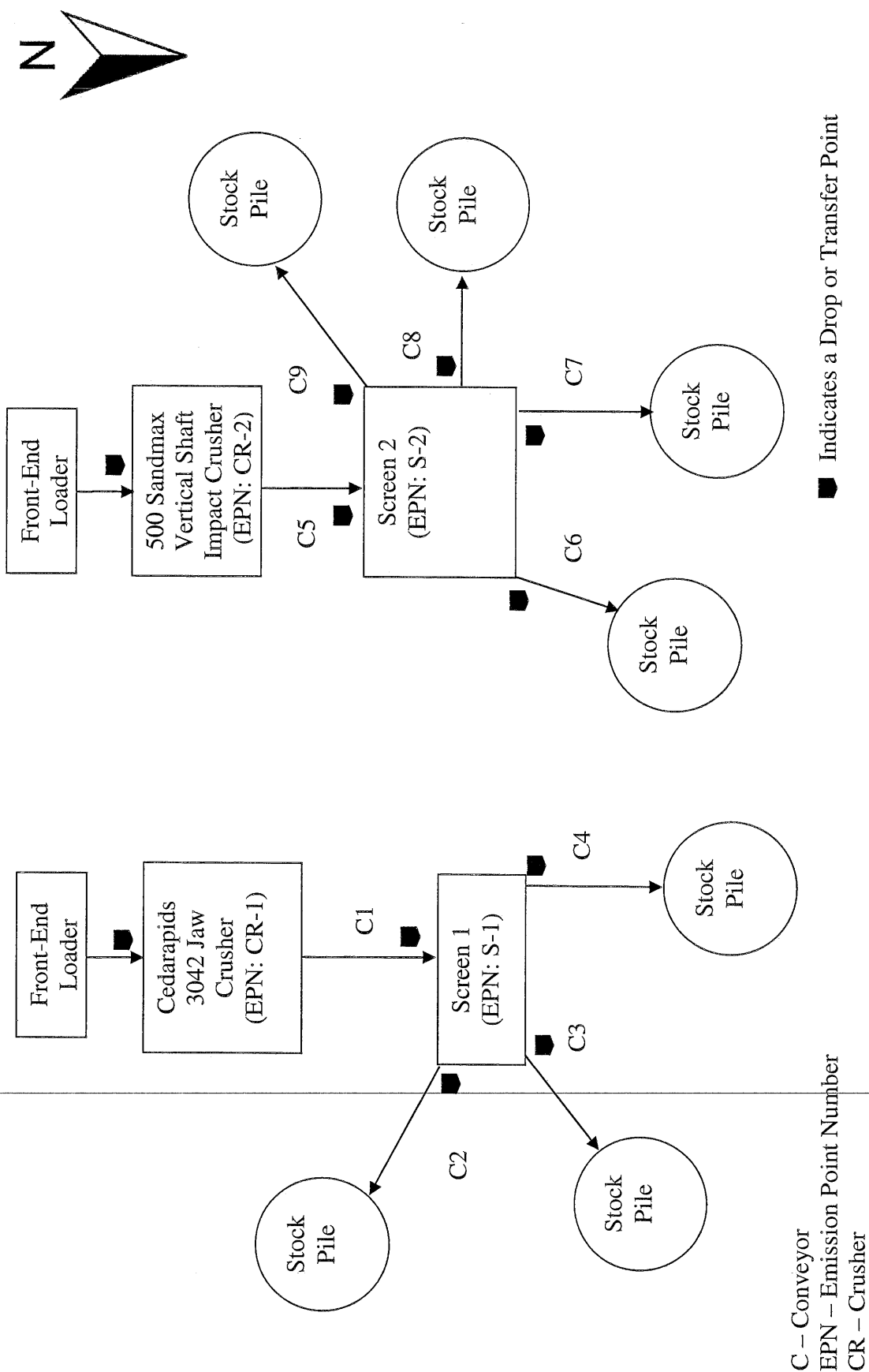
Permanently mounted spray bars will be installed at the inlet and outlet of the crusher and used as necessary. The crushers will be equipped with a runtime meter, which will be utilized during crushing operations. The crusher will also be equipped with a weigh hopper or scale belt to accurately determine the mass of material being crushed. Water will be used as necessary to control particulate matter emissions from stockpiles.

The crushers and associated equipment will be run off of the power grid and no diesel engines or generators will be utilized for powering the equipment. The crushers and associated facilities (excluding stockpiles and truck loading) will not operate for more than an aggregate of 2,640 hours in any rolling 12 month period.

After crushing, the rock will be transferred from stockpiles into haul trucks using a front-end loader at a maximum rate of 500 tph and 1,320,000 tpy.

One diesel fuel tanks will be utilized to fuel mobile equipment. The diesel tanks are approximately 5,000 gallons each and are not expected to have 12 turnovers per year per tank. Emissions from the tanks are authorized under Title 30 of the Texas Administrative Code (TAC) § 106.412 – *Fuel Dispensing*.

Chanas Aggregates Blanco, LLC
Process Flow Diagram



Chanas Aggregates Blanco, LLC
Estimated Emissions Summary

EPN	Emission Source	NOx		VOC		CO		SO ₂		PM		PM ₁₀		PM _{2.5}	
		(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)
CR-1	Primary Crusher	--	--	--	--	--	--	--	--	0.2400	0.3168	0.1080	0.1426	0.0020	0.0026
CR-2	Secondary Crusher	--	--	--	--	--	--	--	--	0.2400	0.3168	0.1080	0.1426	0.0020	0.0026
S-1	Screen 1	--	--	--	--	--	--	--	--	0.4400	0.5808	0.1480	0.1954	0.0100	0.0132
S-2	Screen 2	--	--	--	--	--	--	--	--	0.4400	0.5808	0.1480	0.1954	0.0100	0.0132
MH-1	Primary Crusher Loading	--	--	--	--	--	--	--	--	0.0280	0.0370	0.0092	0.0121	0.0026	0.0034
MH-2	Secondary Crusher Loading	--	--	--	--	--	--	--	--	0.0280	0.0370	0.0092	0.0121	0.0026	0.0034
MH-3	Truck Loading	--	--	--	--	--	--	--	--	0.0700	0.0924	0.0230	0.0304	0.0065	0.0086
MH-4	Out of Screener 1	--	--	--	--	--	--	--	--	0.0840	0.1109	0.0276	0.0364	0.0078	0.0103
MH-5	Out of Screener 2	--	--	--	--	--	--	--	--	0.1120	0.1478	0.0368	0.0486	0.0104	0.0137
ST-1	Stockpiles	--	--	--	--	--	--	--	--	0.6600	2.5823	0.3300	1.2912	0.0495	0.1937
T-1	Diesel Tank 1	--	--	--	0.0830	--	--	--	--	--	--	--	--	--	--
TOTAL EMISSIONS:		0.0000	0.0000	0.0000	0.0830	0.0000	0.0000	0.0000	0.0000	2.3420	4.8026	0.9478	2.1067	0.1034	0.2648

Notes

EPN - Emission Point Number
 lbs/hr - Pounds Per Hour
 tpy - Tons Per Year
 NOx - Nitrogen Oxides
 VOC - Volatile Organic Compounds
 CO - Carbon Monoxide
 SO₂ - Sulfur Dioxide
 PM - Particulate Matter
 PM₁₀ - Particulate Matter 10 Microns in size
 PM_{2.5} - Particulate Matter 2.5 Microns in size

Chanas Aggregates Blanco, LLC
Material Handling Emissions Calculations

EPN	Description	Hourly Production Rate (ton/hr)	Proposed Operating Schedule (hr/yr)	Current Annual Production Rate (ton/yr)	Control Factor (CF) (%)	Contaminant	Emissions Factor (lb/ton)	Hourly Emissions Rate (lb/hr)	Annual Emissions Rate (tpy)
MH-1	Loading of Primary Crusher	200	2,640	528,000	0%	PM PM ₁₀ PM _{2.5}	0.00014 0.000046 0.000013	0.0280 0.0092 0.0026	0.0370 0.0121 0.0034
MH-2	Loading of Secondary Crusher	200	2,640	528,000	0%	PM PM ₁₀ PM _{2.5}	0.00014 0.000046 0.000013	0.0280 0.0092 0.0026	0.0370 0.0121 0.0034
MH-3	Truck Loading	500	2,640	1,320,000	0%	PM PM ₁₀ PM _{2.5}	0.00014 0.000046 0.000013	0.0700 0.0230 0.0065	0.0924 0.0304 0.0086

EPN	Description	Total Hourly Production Rate (ton/hr)	Proposed Operating Schedule (hr/yr)	Control Factor (CF) (%)	Number of Similar Drops (#)	Contaminant	Emissions Factor (lb/ton)	Hourly Emissions Rate (lb/hr)	Annual Emissions Rate (tpy)
MH-4	Out of Screener 1	200	2,640	0%	3	PM PM ₁₀ PM _{2.5}	0.00014 0.000046 0.000013	0.0840 0.0276 0.0078	0.1109 0.0364 0.0103
MH-5	Out of Screener 2	200	2,640	0%	4	PM PM ₁₀ PM _{2.5}	0.00014 0.000046 0.000013	0.1120 0.0368 0.0104	0.1478 0.0486 0.0137

Notes and Calculation Methodology

Proposed Operating Schedule (hr/yr) = 10 (hr/day) * 5.5 (day/wk) * 48 (wk/yr) = 2,640 (hr/yr)

Proposed Annual Production Rate (ton/yr) = Hourly Production Rate (ton/hr) * Operating Schedule (hr/yr)

Hourly Emissions Rate (lb/hr) = Emissions Factor (lb/ton) * Hourly Production Rate (ton/hr) * (1 - CF %)

Annual Emissions Rate (tpy) = Emissions Factor (lb/ton) * Annual Production Rate (ton/yr) * (1 - CF %) / 2000 (lb/ton)

Pursuant to guidance received from TCEQ, truck loading/unloading factors are now based on AP-42, Table 11.19.2-2 (August 2004) for Conveyor Transfers

Truck Unloading and Loading PM, PM₁₀, and PM_{2.5} emissions factor has been obtained from AP-42, Table 11.19.2-2 (August 2004) for Conveyor Transfer Point (controlled) and the material being loaded is coming from a 'wetted' stockpile.

TOTAL conveyor length is < 300 feet; therefore, no emissions are assumed for conveyor length.

PM, PM₁₀, and PM_{2.5} emissions factors have been obtained from AP-42, Table 11.19.2-2 (August 2004) for Conveyor Transfer Point (controlled) have been utilized to calculate emissions for the drop(s) out of the screener

Hourly Emissions Rate (lb/hr) = Emissions Factor (lb/ton) * Hourly Production Rate (ton/hr) * (1 - CF %) * Number of Similar Drops (#)

Annual Emissions Rate (tpy) = Emissions Factor (lb/ton) * Annual Production Rate (ton/yr) * (1 - CF %) * Number of Similar Drops / 2000 (lb/ton)

Contaminant	Hourly Emissions Rate (lb/hr)	Annual Emissions Rate (tpy)
PM	0.1820	0.2402
PM ₁₀	0.0598	0.0789
PM _{2.5}	0.0169	0.0223

From: Don Nelon [mailto:don.nelon@tceq.texas.gov]
Sent: Thursday, February 26, 2015 9:34 AM
To: Lindsey Renfro
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

I forgot to mention we also need TCEQ Checklist 20335 completed and submitted.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

From: Don Nelon
Sent: Thursday, February 26, 2015 9:28 AM
To: Lindsey Renfro
Subject: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

During the technical review a few items were identified that require updating/clarification.

1. Section V. of the PI-1S was not answered. Please provide an update Section V.
2. Please provide a plot plan that meets the requirements of the PI-1S instructions for Item V. C.
3. Item (1)(G) on the checklist is currently marked N/A for the compliance history question. Please provide either a "yes" or "no" response to this question.
4. Item (3)(C) on the checklist is currently marked "yes" indicating there are no permanent residences within 440 yards of the proposed location of the crusher and associated equipment. Using Google Earth there appear to be two permanent residences that fall within 440 yards of the proposed location. One of these residences was identified in the site map, the other residence appears to be before the left turn to the site. Please confirm that neither the crushers or associated equipment will be located within 440 yards of either of these residences.
5. ~~Please remember the diesel fuel tank will not be authorized by the standard permit.~~

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300



Texas Commission on Environmental Quality
Air Quality Standard Permit for Permanent Rock and Concrete Crushers
Registration Checklist

The following checklist has been developed to help the Texas Commission Environmental Quality (TCEQ), Air Permits Division (APD) confirm that the permanent rock or concrete crusher meets the standard permit requirements. Please read all questions and check "YES," "NO," or "N/A" or give specific information for the facility. If the permanent rock or concrete crusher plant does not meet all conditions of this standard permit, it will not be allowed to operate under the standard permit and must apply for a case-by-case preconstruction permit as required under Title 30 Texas Administrative Code § 116.111 (30 TAC § 116.111).

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher		
CONDITION NUMBER AND DESCRIPTION		
(1)(B)	If crushing concrete, will the concrete crushing facility be operated at least 440 yards from any building which is in use as a single or multi-family residence, school, or place of worship at the time this application is filed? (The measurement of distance shall be taken from the point on the concrete crushing facility that is nearest to the residence, school, or place of worship toward the point on the building in use as a residence, school, or place of worship that is nearest the concrete crushing facility.)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(1)(C)(ii)	In lieu of meeting the distance requirements of (1)(B), will the structure(s) within 440 yards of the concrete crushing facilities be occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(1)(D)	In lieu of meeting the distance requirements in (1)(B), will all the following occur:	
(1)(D)(i)	Will this plant be engaged in crushing concrete and other materials resulting from the demolition of a structure on this site and will the concrete and other materials being crushed be used primarily at this site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(ii)	Will this plant operate onsite for one period of 180 calendar days or less?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(iii)	Will all applicable conditions stated in commission rules, including operating conditions be met?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(iv)	Will the plant be located in a county with a population of 2.4 million or more persons, or in a county adjacent to such a county?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(E)	Do you intend to apply for an authorization under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, for any other crushing facility to be located at the same site within 12 months from the date of this authorization?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
CONDITION NUMBER AND DESCRIPTION (continued)	
(1)(F) Is there a rock crusher (or concrete crusher) authorized under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, at this site? Have you withdrawn, within the previous 12 months, an application for authorization of a crushing facility under (THSC) § 382.0518, Preconstruction Permit, at this site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(G) Are the current registration form PI-1S entitled, "Registration for an Air Standard Permit", Table 17 and supporting information attached or mailed to the TCEQ, including Table 29 (if applicable), control devices and methods explanation, process flow diagram, process description, plot plan, and area map? Is the company's compliance history rating poor?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(1)(H) Has construction and/or operation begun on the facility? Is there a non operational crusher stored onsite?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(I) In accordance with 30 TAC § 116.614, Standard Permit Fees, was a \$900 fee sent to TCEQ Revenue Section?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(J) Will all facilities associated with this application for a standard permit comply with the conditions of Title 40 Code of Federal Regulations (40 CFR) Part 60, Subpart A, General Provisions and Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(K) Will these crushing facilities only process nonmetallic minerals or a combination of nonmetallic minerals as described in 40 CFR Part 60, Subpart OOO?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(L) Is 30 TAC Chapter 101, Subchapter H, Division 3, Mass Emissions Cap and Trade Program; or 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds applicable to this plant?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(M) Will written records be kept for a rolling 24-month period at the site and made available at the request of any personnel from the TCEQ or any air pollution control program having jurisdiction? Will these written records be maintained onsite to show daily hourly operations and hourly throughput; road and work area cleaning and dust suppression logs; and stockpile dust suppression logs?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

per company compliance
 3/3/15
[Signature]



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility:		<input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher
CONDITION NUMBER AND DESCRIPTION <i>(continued)</i>		
(1)(N)	Will this crushing operation and related activities comply with applicable requirements of 30 TAC Chapter 101, Subchapter F, Emission Events and Scheduled Maintenance, Startup, and Shutdown Activities?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(P)	Have maintenance emissions been authorized? (Maintenance emissions are not included in this permit and must be approved under separate authorization.) Have start-up and shutdown emissions been authorized? (Start-up and shutdown emissions that will exceed those expected during production operations must be approved under separate authorization.) Will start-up and shutdown emissions exceed those expected during production operations?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(Q)	Do you intend to authorize any facilities located at the same site as this rock crusher, by 30 TAC Chapter 106, Subchapter E, Aggregate and Pavement or 30 TAC § 106.512, Stationary Engines and Turbines?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
PUBLIC NOTICE REQUIREMENTS - Detailed Public Notice Information will be Sent upon Determination of Technical Completeness		
(2)(B)(i)	Will public notice be published no later than 30 days after the application is determined to be technically complete?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
OPERATIONAL REQUIREMENTS		
(3)(A)	Will the primary crusher throughput exceed 200 tons per hour?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(B)	Will the crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, be located less than 200 feet from the nearest property line, as measured from the point on the facility nearest the property line?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(C)	At the time this application is filed, will the crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, be located at least 440 yards from any building which is in use as a single or multi-family residence, school, or place of worship? (Distance shall be measured from the point on the facility nearest the residence, school, or place of worship to the point on the residence, school, or place of worship nearest the facility).	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <i>ok per consultant</i> <i>3/13/15</i> <i>[Signature]</i>



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher		
OPERATIONAL REQUIREMENTS (continued)		
(3)(D)	<p>Will the crushing facilities (not including associated sources) be located at least 550 feet from any other rock crusher, concrete crusher, concrete batch plant, or hot mix asphalt plant?</p> <p style="margin-top: 10px;">Will the crusher operate at the same time as any other rock crusher, concrete batch plant, or hot mix asphalt plant within a 550 feet radius?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p style="margin-top: 10px;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(E)	<p>Will all associated sources, including but not limited to work areas, stockpiles, and roads (except for incidental traffic and the entrance and exit to the site), be located at least 100 ft. from the property line?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(F)	<p>Will this crushing operation consist of any additional facilities other than one primary crusher, one secondary crusher, one vibrating grizzly, two screens, any conveyors, and one internal combustion engine (or combination of engines) of no more than 1,000 total horsepower?</p> <p style="margin-top: 10px;">(Equipment that is not a source of emissions does not require authorization.)</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(G)	<p>Will any of the crushers, associated facilities, and/or associated sources (excluding stockpiles) exceed 2,640 operating hours in any rolling 12-month period?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(H)	<p>Will any of the rock crusher/ concrete crusher or associated facilities operate during any time between one hour after official sunset to one hour before official sunrise?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(I)	<p>Will all crushers be equipped with runtime meters and will the runtime meters be operating during crushing operations?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(J)	<p>Will permanently mounted spray bars be installed at the inlet and outlet of all crushers, at all shaker screens, and at all material transfer points and used as necessary to maintain compliance with all TCEQ rules and regulations?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(K)	<p>Will opacity of emissions from any transfer point on belt conveyors or any screen exceed 10 percent, averaged over a six-minute period as determined using EPA Test Method 9?</p> <p style="margin-top: 10px;">Will opacity of emissions from any crusher exceed 15 percent, averaged over a six-minute period as determined using EPA Test Method 9?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p style="margin-top: 10px;"><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(3)(L)	<p>Will visible emissions leave the property for more than 30 seconds in duration in any six-minute period from the crusher(s), associated facilities, associated sources, and in-plant roads associated with the plant as determined using EPA Test Method 22?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>

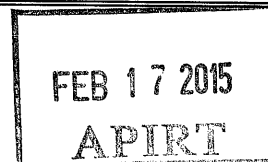


Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
OPERATIONAL REQUIREMENTS <i>(continued)</i>	
(3)(M)	Will all in-plant roads and active work areas that are associated with the operation of the crusher, associated facilities, and associated sources be treated at all times with any of the following:
(3)(M)(i)	Covered with a material such as, but not limited to roofing shingles or tire chips? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(ii)	Dust-suppressant chemicals? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(iii)	Water? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(iv)	Paved with a cohesive hard surface that is maintained intact and cleaned? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(N)	Will all stockpiles be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(O)	Will raw material and product stockpile heights exceed 45 ft? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(P)	Will the crusher be equipped with a weigh hopper or scale belt that accurately determines the mass of material being crushed? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(Q)	Will the crusher remain at least 440 yards from any existing residence, school, or place of worship when moving to a different location onsite? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Texas Commission on Environmental Quality
Form PI-1S
Registrations for Air Standard Permit
(Page 1)

I. Registrant Information		
A. Is a TCEQ Core Data Form (TCEQ Form No. 10400) attached? Core Data Form required for Standard Permits 6004, 6006, 6007, 6008, and 6013.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Customer Reference Number (CN): New		
Regulated Entity Number (RN): New		
B. Company or Other Legal Customer Name (must be same as Core Data "Customer"): Chanas Aggregates Blanco, LLC		
Company Official Contact Name: Mr. Keith Jackson		
Title: Vice President		
Mailing Address: 7850 E State Hwy 29		
City: Llano	State: Texas	ZIP Code: 78643
Phone No.: (325) 247-3444	Fax No.:	E-mail Address: chanasaggregates@yahoo.com
C. Technical Contact Name: Mr. Keith Jackson		
Title: Vice President		
Company Name: Chanas Aggregates Blanco, LLC		
Mailing Address: 7850 E State Hwy 29		
City: Llano	State: Texas	ZIP Code: 78643
Phone No.: (325) 247-3444	Fax No.:	E-mail Address: chanasaggregates@yahoo.com
D. Facility Location Information (Street Address): If no street address, provide clear driving directions to the site in writing: From the intersection of Hwy 290 and Hwy 281 in Johnson City, TX. Travel approximately 5 1/2 miles west on Hwy. 290. Turn right on Triple S Trail and travel approximately 1.5 miles to destination on left (west side of road).		
City: Johnson City	County: Blanco	ZIP Code: 78636
Latitude (nearest second): 30° 16' 23"		Longitude (nearest second): 98° 30' 17"
II. Facility and Site Information		
A. Facility Name: Chanas Aggregates Blanco, LLC – Johnson City Site		
Type of Facility: Crushed and Broken Limestone		<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary
B. Type of Action: <input checked="" type="checkbox"/> Initial Application <input type="checkbox"/> Renewal <input type="checkbox"/> Change to Registration <input type="checkbox"/> Registration No.: <input type="checkbox"/> Expiration Date:		



130211

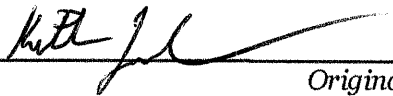
Texas Commission on Environmental Quality
Registrations for Air Standard Permit
PI-1S
(Page 2)

II. Facility and Site Information (continued)		
C. List the Standard Permit Claimed: 6013		
Description: Permanent Rock and Concrete Crushers		
D. Concrete Batch Plant Standard Permit (<i>Check one</i>)		
<input type="checkbox"/> Central Mix <input type="checkbox"/> Ready Mix <input type="checkbox"/> Specialty Mix <input type="checkbox"/> Enhanced Controls for Concrete Batch Plants		
1. Please furnish the names of the state legislators who represent the area where the facility site is located:		
State Senator: Sen. Troy Fraser		
State Representative: Rep. Jason Isaac		
2. County Judge: Hon. Brett Bray		
Mailing Address: P.O. Box 387		
City: Johnson City	State: Texas	ZIP Code: 78636
3. For Concrete Batch Plants, is the facility located in a municipality and/or extraterritorial jurisdiction of a municipality?		<input type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," list the name(s) of the Presiding Officer(s) for the municipality and/or extraterritorial jurisdiction:		
Presiding Officer(s):		
Title:		
Mailing Address:		
City:	State:	ZIP Code:
E. Proposed Start of Construction: TBD		Length of Time at the Site: TBD
F. Is there a previous Standard Exemption or Permit by Rule for the facilities in this registration? (<i>Attach details regarding changes</i>)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list Permit No.:		
G. Are there any other facilities at this site which are authorized by an air Standard Permit?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list Permit No.:		
H. Are there any other air preconstruction permits at this site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list Permit No.:		

PI-1S
(Page 3)

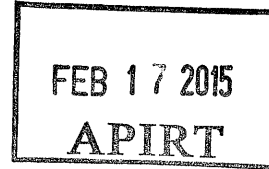
II. Facility and Site Information (continued)	
H. Continued	
Are there any other air preconstruction permits at this site that would be directly associated with this project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list Permit No.:	
I. TCEQ Account Identification Number (if known):	
J. Is this facility located at a site which is required to obtain a federal operating permit pursuant to 30 TAC Chapter 122?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> To Be Determined
K. Identify the requirements of 30 TAC Chapter 122 that will be triggered if this Form PI-1S application is approved.	
<input type="checkbox"/> Application for an FOP <input type="checkbox"/> FOP Significant Revision <input type="checkbox"/> FOP Minor	
<input type="checkbox"/> Operational Flexibility/Off-Permit Notification <input type="checkbox"/> Streamlined Revision for GOP	
<input type="checkbox"/> To Be Determined <input checked="" type="checkbox"/> None	
L. Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. (check all that apply)	
<input type="checkbox"/> SOP <input type="checkbox"/> GOP <input type="checkbox"/> GOP Application/Revision Application: Submitted or Under APD Review	
<input type="checkbox"/> SOP Application Review Application: Submitted or Under APD Review <input checked="" type="checkbox"/> N/A	
III. Permit Fee Information	
A. Is a copy of the check or money order attached?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Check/Money Order/Transaction Number: TBD	
Company name on Check: TBD	
Fee Amount: \$900.00	
IV. Public Notice (If Applicable)	
A. Is the plant located at a site contiguous or adjacent to the public works project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. Name of Public Place: Johnson City Library	
Physical Address: 209 Nugent Avenue	
City: Johnson City	County: Blanco
C. Small Business Classification:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Concrete batch plants with enhanced controls, permanent rock crushers, and animal carcass incinerators shall place a copy of the technically complete application at the appropriate TCEQ regional office only.	

Texas Commission on Environmental Quality
Registration for Air Standard Permit
Form PI-1S
(Page 4)

V. Technical Information Including State and Federal Regulatory Requirements Registrants must be in compliance with all applicable state and federal regulations and standards to claim a Standard Permit.	
A. Is confidential information submitted and properly marked with this registration?	YES <input checked="" type="radio"/> NO <input type="radio"/>
B. Is a process flow diagram and a process description attached?	<input checked="" type="radio"/> YES <input type="radio"/> NO
C. Is a plot plan attached?	<input checked="" type="radio"/> YES <input type="radio"/> NO <i>pe</i>
D. Are emissions data and calculations for this claim attached?	<input checked="" type="radio"/> YES <input type="radio"/> NO <i>enath</i>
E. Is information attached showing how the general requirements and applicability (30 TAC 116.610 and 116.615) are met?	<input checked="" type="radio"/> YES <input type="radio"/> NO <i>conath</i>
F. Is information attached showing how the specific requirements are met?	<input checked="" type="radio"/> YES <input type="radio"/> NO <i>3/3/15</i>
VI. Delinquent Fees and Penalties	
This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ is paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: www.tceq.texas.gov/agency/delin/index.html .	
VII. Signature Requirements	
The signature below indicates that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air Act (TCAA), as amended, or any of the air quality rules and regulations of the Texas Commission on Environmental Quality or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I have read and understand TWC 7.177 and 7.183, which defines Criminal Offenses for certain violations, including intentionally or knowingly making or causing to be made false material statements or representations in this application, and TWC 7.187, pertaining to Criminal Penalties .	
Name: <u>Mr. Keith Jackson</u>	
<i>Print Full Name</i>	
Signature: <u></u>	
<i>Original Signature Required</i>	
Date: <u>2-2-15</u>	

February 13, 2015

Mr. Mike Wilson, P.E. (MC-163)
Air Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087



RE: Chanas Aggregates Blanco, LLC
Johnson City Site
Customer Number: NEW
Regulated Entity Number: NEW

Permanent Rock Crusher Standard Permit Application

Dear Mr. Wilson:

Attached is Form PI-1S, a CORE Data Form and supporting documentation to initiate the permitting process for the above referenced standard permit. Please note that the signature pages of Form PI-1S and the CORE Data Form are presented twice, one without signature and one with signature.

Should questions arise, please contact Jonathan Martin at 512.327.2725 or via email at jonathan@hillcountryenv.com.

Sincerely,


Lindsey Renfro
Vice President, Air Program Manager

Attachments

cc: Mr. Keith Jackson, Chanas Aggregates Blanco, LLC
Texas Commission on Environmental Quality, Region 11, Austin

FEB 13 2015

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

March 11, 2015

MR KEITH JACKSON
VICE PRESIDENT
CHANAS AGGREGATES BLANCO LLC
7850 E STATE HIGHWAY 29
LLANO TX 78643-3836

Re: Declaration of Technical Completeness
Registration for an Air Quality Standard Permit for Permanent Rock and Concrete
Crushers
Air Quality Registration Number: 130211
Permanent Rock Crusher
Johnson City, Blanco County
Customer Reference Number: CN604749184
Regulated Entity Number: RN108039520

Dear Mr. Jackson:

We have declared the above-referenced application, received on February 13, 2015, technically complete on March 10, 2015.

You are now required to publish notice of your proposed activity within **30 calendar days** from the date of this letter. To help you meet the regulatory requirements associated with this notice, we have included the following items:

- Notice for Newspaper Publication
- Sign Posting Example
- Instructions for Public Notice
- Affidavits of Publication
- Notification List

Please note that it is very important that you follow all directions in the enclosed instructions. If you do not, you may be required to republish the notice. Some common errors are the unauthorized changing of notice wording or font, omission of air contaminants, and inaccurate plant site location information represented in the application. Additional information can be found at www.tceq.texas.gov/permitting/air/bilingual/how1_2_pn.html or **if you have any questions, please contact us before you proceed with publication.**

Mr. Keith Jackson
Page 3
March 11, 2015

Re: Air Quality Registration Number 130211

If you have any questions regarding publication requirements, please contact the Office of the Chief Clerk at (512) 239-3300. If you have any other questions, please contact Mr. Donald D. Nelon at (512) 239-0894.

Sincerely,

A handwritten signature in black ink, reading "Stephanie L. Howell". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Stephanie L. Howell, P.E., Manager
Mechanical/Agricultural/Construction New Source Review Permits Section
Air Permits Division
Texas Commission on Environmental Quality

SLH/ddn

Enclosures

cc: Ms. Lindsey Renfro, Vice President, Hill Country Environmental Inc., Austin
Air Section Manager, Region 11 - Austin
Air Permits Section Chief, New Source Review Section (6PD-R), U.S. Environmental
Protection Agency, Region 6, Dallas

Project Number: 228969

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF APPLICATION FOR AN AIR QUALITY STANDARD PERMIT FOR PERMANENT ROCK AND CONCRETE CRUSHERS

PROPOSED AIR QUALITY REGISTRATION NUMBER 130211

APPLICATION. Chanas Aggregates Blanco, LLC, 7850 East State Highway 29, Llano, Texas 78643-3836 has applied to the Texas Commission on Environmental Quality (TCEQ) for an Air Quality Standard Permit, Registration Number 130211, which would authorize construction of a permanent rock crusher. The facility is proposed to be located near Johnson City, Blanco County, Texas 78636. The following driving directions were provided: from the intersection of Highway 290 and Highway 281 in Johnson City go 5.5 miles west on Highway 290, turn right on Triple S Trail, go 1.5 miles to destination on left (west side of road). This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For exact location, refer to application.

<http://www.tceq.texas.gov/assets/public/hb610/index.html?lat=30.2731&lng=-98.5045&zoom=13&type=r>. This application was submitted to the TCEQ on February 13, 2015. The executive director has determined the application was technically complete on March 10, 2015.

PUBLIC COMMENT. Written public comments about this application may be submitted at any time during the public comment period. You may submit public comments either in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087, or electronically at www.tceq.texas.gov/about/comments.html. If you choose to communicate with the TCEQ electronically, please be aware that your email address, like your physical mailing address, will become part of the agency's public record. The deadline to submit public comments is 30 days after newspaper notice is published.

RESPONSE TO COMMENTS. A written response to all relevant comments will be prepared by the executive director after the comment period closes. The response, along with the executive director's decision on the application, will be mailed to everyone who submitted public comments and requested to be added to the mailing list. The response to comments will be posted in the permit file for viewing.

The executive director shall approve or deny the application not later than 30 days after the end of the public comment period, considering all comments received within the comment period, and base this decision on whether the application meets the requirements of the standard permit.

CENTRAL/REGIONAL OFFICE. The application will be available for viewing and copying at the TCEQ Central Office and the TCEQ Austin Regional Office, located at 12100 Park 35 Cir Bldg A Rm 179, Austin, Texas 78753-1808, during the hours of 8:00 a.m. to 5:00 p.m., Monday through Friday, beginning the first day of publication of this notice.

INFORMATION. For more information about this permit application or the permitting process, please call the Public Education Program toll free at 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Chanas Aggregates Blanco, LLC, 7850 East State Highway 29, Llano, Texas 78643-3836, or by calling Mr. Keith Jackson, Vice President at (325) 247-3444.

Notice Issuance Date: March 11, 2015

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



Instructions for Public Notice For Air Quality Standard Permit for Permanent Rock and Concrete Crushers

Notice of Application

Your application has been declared technically complete and now you must comply with the following instructions:

Please Review Notice

We have included in the notice all of the information which we believe is necessary. Please read it carefully and notify us immediately if it contains any errors or omissions. You are responsible for ensuring the accuracy of all information published. You may not change the text of the notice without prior approval from the TCEQ.

Newspaper Notice

- You must publish the enclosed notice within **30 calendar days** from the date of the cover letter.
- You must publish the enclosed Notice of Application at your expense, in a newspaper of general circulation in the municipality in which the plant is proposed to be located or in the municipality nearest to the proposed location of the plant.
- You must publish this notice in one issue of any applicable newspaper.
- You will find an example notice enclosed in this package. This example must be published in the "public notice" section of the newspaper.

Alternate Language Notice

In certain circumstances, applicants for air permits must complete notice in alternate languages.

- Public notice rules require the applicant to determine whether a bilingual program is required at either the elementary or middle school nearest to the proposed facility location. Bilingual education programs are determined on a district-wide basis. When students who are required to attend either school are eligible to be enrolled in a bilingual education program, some alternative language notice is required (newspaper notice).
- Since the school district, and not the schools, must provide the bilingual education program, these programs do not have to be located at the above-mentioned schools to trigger the alternative language notice requirement. If there are students who would

- The **original affidavits of publication** and **acceptable proof of publication of the published notices** must be mailed to:

Texas Commission on Environmental Quality
Office of the Chief Clerk, MC-105

Attn: Notice Team

P.O. Box 13087

Austin, Texas 78711-3087

Please ensure that the affidavits you send to the Chief Clerk are originals and that all blanks on the affidavits are filled in correctly. Photocopies of affidavits will not be accepted.

- **Photocopies of newspaper clippings, affidavits, and verification form must also** be sent to those listed on the enclosed *Notification List* within the deadlines specified above.

Sign Posting

Applicants for this standard permit must also post signs.

- You must post at least one sign in English and as applicable, in each alternative language.
- Signs must be in place on the first day of publication in a newspaper and must remain in place and be legible and be visible from the street for the entire duration of the publications' designated comment period.
- The sign template enclosed (*Example C*) is an example only. Read the sign template carefully and notify the TCEQ if it has an error or omissions. It is your responsibility to verify that the appropriate information pertaining to your application is accurate. Any changes to the text prepared by the TCEQ must be approved by the agency.
- Signs placed at the site must be located within 10 feet of each (every) property line paralleling a street or other public thoroughfare. Signs must be completely visible from the street and spaced at not more than 1,500-foot intervals. A minimum of one sign, but not more than three signs are required along any property line paralleling a public thoroughfare. Sign(s) must be placed at a sufficient height above the ground that is necessary for sign(s) to be 100 percent visible from the street.
- All lettering on the sign must be boldface block-printed lettering. The sign must be at least 18" wide and 28" tall, and consist of black lettering on a white background. (See Example "C" of sign posting for specific lettering size requirements).
- Alternative language signs are required if alternative notice is required, even if no newspaper can be found.
- Inspect each posted sign daily to ensure it is present and visible throughout the entire comment period.
- You must submit verification of sign posting using the ***Public Notice Verification Form (Form TCEQ-20548)*** within 10 business days after end of the publications' designated comment period. Do not submit the *Public Notice*

TCEQ-Office of the Chief Clerk
MC-105 Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

Applicant Name: Chanas Regates Blanco, LLC
Permit No.: 130211
Notice of Application for an Air Quality Standard Permit for
Permanent Rock and Concrete Crushers

AFFIDAVIT OF PUBLICATION FOR AIR PERMITTING

STATE OF TEXAS §

COUNTY OF _____ §

Before me, the undersigned authority, on this day personally appeared

_____, who being by me duly sworn,
(name of person representing newspaper)

deposes and says that (s)he is the _____
(title of person representing newspaper)

of the _____;
(name of newspaper) that said newspaper is generally circulated

in _____, Texas;
(the municipality or nearest municipality (not county) to the location of the facility or the proposed facility)

that the enclosed notice was published in said newspaper on the following date(s):

(newspaper representative's signature)

Subscribed and sworn to before me this the _____ day of _____, 20____,
to certify which witness my hand and seal of office.

Notary Public in and for the State of Texas

(Seal)

Print or Type Name of Notary Public

My Commission Expires

Notification List

It is the responsibility of the applicant to furnish the following offices with copies of the notices published, the *Affidavit of Publication for Air Permitting*, the *Alternative Language Affidavit of Publication for Air Permitting (if applicable)*, and a completed copy of the *Public Notice Verification Form (Form TCEQ-20548)*. Acceptable proof of publication and originals of any affidavits and Form TCEQ-20244 should be sent to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. **Copies** should be sent to the following:

U.S. Environmental Protection Agency
Region 6
Attn: Air Permits Section (6PD-R)
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Texas Commission on Environmental Quality
Office of Air
Air Permits Division, MC-163
Mr. Donald D. Nelson
P.O. Box 13087
Austin, Texas 78711-3087

Texas Commission on Environmental Quality
Austin Regional Office
12100 Park 35 Cir Bldg A Rm 179
Austin, Texas 78753-1808

- (iv) is not located in a county with a population of 2.4 million or more persons, or in a county adjacent to such a county.
- (E) For any owner or operator with a facility authorized by this standard permit, the TCEQ will not accept an application for authorization of a crushing facility under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, located at the same site for a period of 12 months from the date of authorization.
- (F) An applicant for authorization of a rock crusher under THSC § 382.0518, is not eligible for this standard permit at the same site until 12 months after the application for authorization under § 382.0518 is withdrawn. Facilities already authorized by a permit under § 382.0518 are not eligible for this standard permit.
- (G) Applications for this standard permit shall be registered in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit (including a current Form PI-1S, Crushing Plant Standard Permit Checklist and Table 17). A compliance history review shall be performed by the executive director in accordance with 30 TAC Chapter 60, Compliance History. If a facility is determined to be a poor performer, as defined in 30 TAC Chapter 60, a standard permit registration shall not be issued.
- (H) No owner or operator of a crushing facility shall begin construction and/or operation without obtaining written approval from the executive director (except for crushers in non operational storage for which construction has not commenced as considered under the Texas Clean Air Act). Start of construction of any facility registered under this standard permit shall be no later than 18 months from the date of authorization. Construction progress and startup notification shall be made in accordance with 30 TAC § 116.115(b)(2), General and Special Conditions.
- (I) Applications for registration under this standard permit shall comply with 30 TAC § 116.614, Standard Permit Fees.
- (J) All affected facilities authorized by this standard permit must meet all applicable conditions of Title 40 Code of Federal Regulations (40 CFR) Part 60, Subpart A, General Provisions, and OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.
- (K) Only crushing facilities that are processing nonmetallic minerals or a combination of nonmetallic minerals that are described in 40 (CFR) Part 60, Subpart OOO, shall be authorized by this standard permit.
- (L) This standard permit does not supersede the requirements of any other commission rule, including 30 TAC Chapter 101, Subchapter H, Division 3, Mass Emissions Cap and Trade Program; and 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds.
- (M) Written records shall be kept for a rolling 24-month period and shall always remain on site. These records shall be made available at the request of any personnel from the TCEQ or any air pollution control program having jurisdiction. These written records shall contain the following:
 - (i) daily hours of operation;
 - (ii) the throughput per hour;
 - (iii) road and work area cleaning and dust suppression logs; and
 - (iv) stockpile dust suppression logs.

- (iv) the location and hours of operation of the commission's regional office at which a copy of the application is available for review and copying; and
 - (v) a brief description of the public comment process, including the mailing address and deadline for filing written comments.
- (E) At the applicant's expense, a sign or signs shall be placed at the site of the proposed facility declaring the filing of an application for a permit and stating the manner in which the commission may be contacted for further information. Such signs shall be provided by the applicant and shall meet the following requirements:
 - (i) signs shall consist of dark lettering on a white background and shall be no smaller than 18 inches by 28 inches;
 - (ii) signs shall be headed by the words "PROPOSED AIR QUALITY PERMIT" in no less than two-inch boldface block-printed capital lettering;
 - (iii) signs shall include the words "APPLICATION NUMBER" and the number of the permit application in no less than one-inch boldface block-printed capital lettering (more than one number may be included on the signs if the respective public comment periods coincide);
 - (iv) signs shall include the words "for further information contact" in no less than 1/2-inch lettering;
 - (v) signs shall include the words "Texas Commission on Environmental Quality," and the address of the appropriate commission regional office in no less than one-inch boldface capital lettering and 3/4-inch boldface lower case lettering; and
 - (vi) signs shall include the phone number of the appropriate commission office in no less than two-inch boldface numbers.
- (F) The sign or signs must be in place by the date of publication of the newspaper notice required by subsection (2)(C) of this section and must remain in place and legible throughout the period of public comment provided for in subsection (2)(I) of this section.
- (G) Each sign placed at the site must be located within ten feet (ft.) of each (every) property line paralleling a street or other public thoroughfare. Signs must be completely visible from the street and spaced at not more than 1,500-ft. intervals. A minimum of one sign, but no more than three signs shall be required along any property line paralleling a public thoroughfare. The commission may approve variations from these requirements if it is determined that alternative sign posting plans proposed by the applicant are more effective in providing notice to the public.
- (H) The alternate language sign posting requirements of this subsection are applicable whenever either the elementary school or the middle school located nearest to the facility or proposed facility provides a bilingual education program as required by Texas Education Code, Chapter 29, Subchapter B, and 19 TAC § 89.1205(a) or if either school has waived out of such a required bilingual education program under the provisions of 19 TAC § 89.1205(g). Schools not governed by the provisions of 19 TAC § 89.1205(a) shall not be considered in determining applicability of the requirements of this subsection. Each affected facility shall meet the following requirements.
 - (i) The applicant shall post an additional sign in each alternate language in which the

plant, or hot mix asphalt plant. If this distance cannot be met, then the crusher shall not operate at the same time as the other rock crusher, concrete crusher, concrete batch plant, or hot mix asphalt plant. Measurement shall be from the closest point on the rock crushing facility to the closest point on any other facility.

- (E) All associated sources, including but not limited to, roads (except for incidental traffic and the entrance and exit to the site), work areas, and stockpiles, shall be located at least 100 ft. from the property line.
- (F) The facilities (as defined in 30 TAC § 116.10(4)) authorized under this standard permit shall be limited to one primary crusher, one secondary crusher, one vibrating grizzly, two screens, any conveyors, and one internal combustion engine (or combination of engines) of no more than 1,000 total horsepower. Equipment that is not a source of emissions does not require authorization.
- (G) All crushers, associated facilities, and associated sources (excluding stockpiles) shall not operate for more than an aggregate of 2,640 hours at the authorized site in any rolling 12 month period. Once the operating hours (2,640 hours) for the site have been exhausted, the owner or operator shall not use a standard permit to operate another rock crusher on the site.
- (H) The rock crusher and associated facilities shall not operate from one hour after official sunset to one hour before official sunrise.
- (I) Each crusher shall be equipped with a runtime meter, which will be operating during crushing operations.
- (J) Permanently mounted spray bars shall be installed at the inlet and outlet of all crushers, at all shaker screens, and at all material transfer points and used as necessary to maintain compliance with all TCEQ rules and regulations.
- (K) Opacity of emissions from any transfer point on belt conveyors or any screen shall not exceed 10 percent and from any crusher shall not exceed 15 percent, averaged over a six-minute period, and according to U.S. Environmental Protection Agency (EPA) Test Method (TM) 9.
- (L) Visible emissions from the crusher, associated facilities, associated sources, and in-plant roads associated with the plant shall not leave the property for a period exceeding 30 seconds in duration in any six-minute period as determined using EPA TM 22.
- (M) Dust emissions from all in-plant roads and active work areas that are associated with the operation of the crusher, associated facilities, and associated sources shall be minimized at all times by at least one of the following methods:
 - (i) covered with a material such as, but not limited to, roofing shingles or tire chips (when used in combination with (ii) or (iii) of this subsection);
 - (ii) treated with dust-suppressant chemicals;
 - (iii) watered; or
 - (iv) paved with a cohesive hard surface that is maintained intact and cleaned.
- (N) All stockpiles shall be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions.

Don Nelon

From: Lindsey Renfro <lindsey@hillcountryenv.com>
Sent: Tuesday, March 10, 2015 12:52 PM
To: Don Nelon
Cc: chanasaggregates@yahoo.com; Caleb McKelvey; Jonathan Martin; Brian Yerkes
Subject: RE: Chanas Aggregates DRAFT PN 130211.docx

Don,

We have no changes. Please proceed with final notice package issuance. Thank you.

Lindsey Renfro
Vice President, Air Program Manager

Hill Country Environmental, Inc.
1613 Capital of Texas Hwy S, Suite 201
Austin, Texas 78746
O: 512.327.2725
C: 512.496.0861
www.hillcountryenv.com



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From: Don Nelon [<mailto:don.nelon@tceq.texas.gov>]
Sent: Tuesday, March 10, 2015 6:14 AM
To: Lindsey Renfro
Subject: Chanas Aggregates DRAFT PN 130211.docx

Lindsey,

The draft public notice is attached for your review. Please let me know if it is okay or if you have any recommended changes.

Don Nelon

From: Don Nelon
Sent: Tuesday, March 10, 2015 6:13 AM
To: 'Lindsey Renfro'
Subject: Chanas Aggregates DRAFT PN 130211.docx
Attachments: Chanas Aggregates DRAFT PN 130211.docx

Lindsey,

The draft public notice is attached for your review. Please let me know if it is okay or if you have any recommended changes.

Don Nelon

From: Lindsey Renfro <lindsey@hillcountryenv.com>
Sent: Wednesday, March 04, 2015 12:55 PM
To: Don Nelon
Cc: chanasaggregates@yahoo.com; Jonathan Martin; Brian Yerkes; Christina Hayes
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211
Attachments: Rock Crusher Plot Plan 03.02.15.pdf

Don,

Attached is the revised plot plan. We are preparing the initial operations orientation drawing and will provide that under a separate cover. Please let me know if this plot plan is acceptable. Thank you.

Lindsey Renfro
Vice President, Air Program Manager

Hill Country Environmental, Inc.
1613 Capital of Texas Hwy S, Suite 201
Austin, Texas 78746
O: 512.327.2725
C: 512.496.0861
www.hillcountryenv.com



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From: Don Nelon [mailto:don.nelon@tceq.texas.gov]
Sent: Tuesday, March 03, 2015 6:01 AM
To: Lindsey Renfro
Cc: chanasaggregates@yahoo.com; Jonathan Martin; Brian Yerkes; Christina Hayes
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211

Thanks

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

- Please remember the diesel fuel tank will not be authorized by the standard permit. – *Noted. Emissions from the diesel fuel tank will be authorized by 30 TAC 106.412 – Fuel Dispensing.*

Lindsey Renfro
Vice President, Air Program Manager

Hill Country Environmental, Inc.
1613 Capital of Texas Hwy S, Suite 201
Austin, Texas 78746
O: 512.327.2725
C: 512.496.0861
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From: Don Nelon [<mailto:don.nelon@tceq.texas.gov>]
Sent: Thursday, February 26, 2015 9:34 AM
To: Lindsey Renfro
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

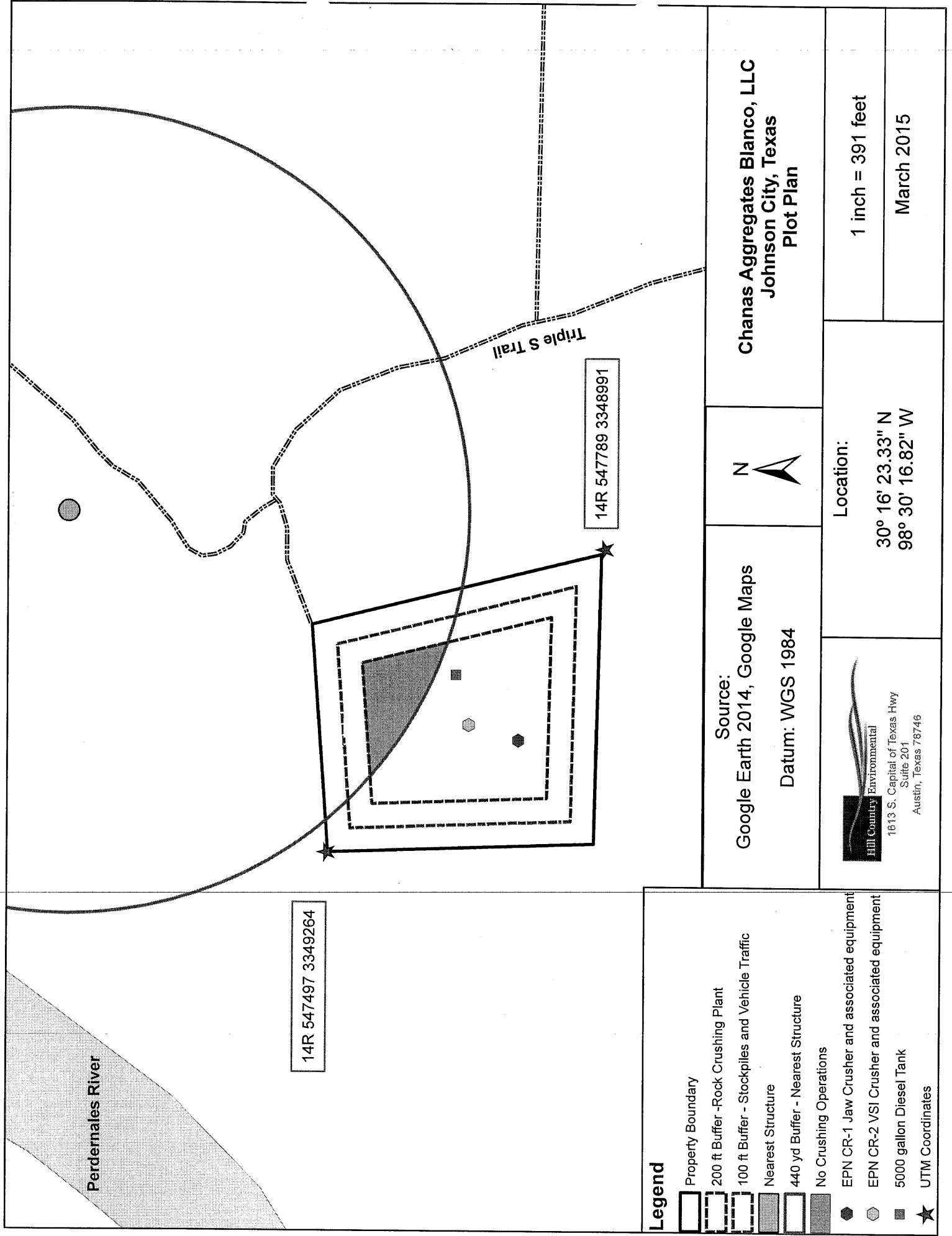
I forgot to mention we also need TCEQ Checklist 20335 completed and submitted.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

From: Don Nelon
Sent: Thursday, February 26, 2015 9:28 AM
To: Lindsey Renfro
Subject: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

During the technical review a few items were identified that require updating/clarification.



Don Nelson

From: Lindsey Renfro <lindsey@hillcountryenv.com>
Sent: Friday, February 27, 2015 12:49 PM
To: Don Nelson
Cc: chanasaggregates@yahoo.com; Jonathan Martin; Brian Yerkes; Christina Hayes
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211
Attachments: SP General Checklist 02.26.15.docx; PI-1S - 02.26.15.docx; SP Checklist 02.26.15.PDF

Hi Don,

Thank you for returning my call this morning concerning the information you requested. Please find below responses to your requests for information. Responses are in **red bold italic font**. Please let me know if you have any questions. If the revised attachments are acceptable, we will provide a hard copy to you and send a copy to the regional office to paper the permit application file accordingly.

- I forgot to mention we also need TCEQ Checklist 20335 completed and submitted. – ***This form has been completed and is attached.***
- Section V. of the PI-1S was not answered. Please provide an update Section V. – ***There were two page 4s included in the application; 1 had the applicant's signature and the other had Section V completed but did not have the applicant's signature. A note concerning this was included in the cover letter. Is this sufficient or do we need to have the applicant sign page 4 with Section V completed?***
- Please provide a plot plan that meets the requirements of the PI-1S instructions for Item V. C. – ***The plot plan is being revised and will be transmitted in a separate correspondence. Revisions to the plot plan will include adding two benchmark locations along the property boundary (NW and SW corners of the property line), identifying the proposed location of the diesel fuel tank which will be authorized by 30 TAC 106.412 and identifying the initial location of the emission points associated with the rock crushing operations. As discussed during our call today, a point on the map will be identified as the initial starting location and a separate document will be attached to the plot plan showing the orientation of the operations (i.e. crusher with conveyor(s) to screener and conveyors out of screener to stock piles, etc.). Please note that the applicant intends to move the emission points associated with the crushing operations around within the rock crushing operations footprint (red dashed area on plot plan) as necessary.***
- Item (1)(G) on the checklist is currently marked N/A for the compliance history question. Please provide either a "yes" or "no" response to this question. – ***The revised checklist is attached. Item (1)(G) has been marked 'no'.***
- Item (3)(C) on the checklist is currently marked "yes" indicating there are no permanent residences within 440 yards of the proposed location of the crusher and associated equipment. Using Google Earth there appear to be two permanent residences that fall within 440 yards of the proposed location. One of these residences was identified in the site map, the other residence appears to be before the left turn to the site. Please confirm that neither the crushers or associated equipment will be located within 440 yards of either of these residences. – ***It is our understanding that the other 'structures' that appear within the immediate surrounding area of the property are either old buildings/barns or hunting leases that are not occupied on a regular basis and would not be deemed as permanent residences. A***

Lindsey,

During the technical review a few items were identified that require updating/clarification.

1. Section V. of the PI-1S was not answered. Please provide an update Section V.
2. Please provide a plot plan that meets the requirements of the PI-1S instructions for Item V. C.
3. Item (1)(G) on the checklist is currently marked N/A for the compliance history question. Please provide either a “yes” or “no” response to this question.
4. Item (3)(C) on the checklist is currently marked “yes” indicating there are no permanent residences within 440 yards of the proposed location of the crusher and associated equipment. Using Google Earth there appear to be two permanent residences that fall within 440 yards of the proposed location. One of these residences was identified in the site map, the other residence appears to be before the left turn to the site. Please confirm that neither the crushers or associated equipment will be located within 440 yards of either of these residences.
5. Please remember the diesel fuel tank will not be authorized by the standard permit.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

Texas Commission on Environmental Quality
Air Quality Standard Permits
General Requirements Checklist
Title 30 Texas Administrative Code §§116.610-116.615

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The SP forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division web site at:
www.tceq.texas.gov/permitting/air/nav/standard.html.

Most Standard Permits require registration with the commission's Office of Permitting, Remediation, and Registration in Austin. The facilities and/or changes to facilities can be registered by completing a Form PI-1S, "Registration for Air Standard Permit." This checklist should accompany the registration form to expedite any registration review.

CHECK THE MOST APPROPRIATE ANSWERS AND FILL IN THE REQUESTED INFORMATION		
Rule	Questions/Description	Response
116.610(a)(1)	Are there net emissions increases associated with this registration?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<i>If "YES," will net emission increases of air contaminants from the project, other than those for which a National Ambient Air Quality Standard (NAAQS) has been established, meet the emission limits of § 106.261 or § 106.262?</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<i>If "NO," does the specific standard permit exempt emissions from this limit?</i>	<input type="checkbox"/> YES <input type="checkbox"/> NO
Attach emissions summary and calculations:		
116.610(a)(3)	Do any of the Title 40 Code of Federal Regulations Part (CFR) 60, New Source Performance Standards apply to this registration?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," list subparts: OOO – Standards of Performance for Nonmetallic Mineral Processing Plants</i>		
116.610 (a)(4)	Do any Hazardous Air Pollutant requirements apply to this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," list subparts</i>		
116.610 (a)(5)	Do any maximum achievable control technology (MACT) standards as listed under 40 CFR Part 63 or Chapter 113, Subchapter C (National Emissions Standard for Hazardous Air for Source Categories) apply to this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," list subparts:</i>		
116.610(a)(6)	Will additional emission allowances under Chapter 101, Subchapter H, Division 3, Emissions Banking and Trading, need to be obtained following this registration?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
116.611(a)(1-6)	Is the following documentation included with this registration:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Emissions calculations including the basis of the calculations?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Quantification of all emission increases and/or decreases associated with this project?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Sufficient information demonstrating that this project does not trigger PSD or NNSR review?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Description of efforts to minimize collateral emissions increases associated with this project?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Process descriptions including related processes?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Description of any equipment being installed?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

Texas Commission on Environmental Quality
Form PI-1S
Registrations for Air Standard Permit
(Page 1)

I. Registrant Information			
A. Is a TCEQ Core Data Form (TCEQ Form No. 10400) attached? Core Data Form required for Standard Permits 6004, 6006, 6007, 6008, and 6013.			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Customer Reference Number (CN): New			
Regulated Entity Number (RN): New			
B. Company or Other Legal Customer Name (must be same as Core Data "Customer"): Chanas Aggregates Blanco, LLC			
Company Official Contact Name: Mr. Keith Jackson			
Title: Vice President			
Mailing Address: 7850 E State Hwy 29			
City: Llano	State: Texas	ZIP Code: 78643	
Phone No.: (325) 247-3444	Fax No.:	E-mail Address: chanasaggregates@yahoo.com	
C. Technical Contact Name: Mr. Keith Jackson			
Title: Vice President			
Company Name: Chanas Aggregates Blanco, LLC			
Mailing Address: 7850 E State Hwy 29			
City: Llano	State: Texas	ZIP Code: 78643	
Phone No.: (325) 247-3444	Fax No.:	E-mail Address: chanasaggregates@yahoo.com	
D. Facility Location Information (Street Address): If no street address, provide clear driving directions to the site in writing: From the intersection of Hwy 290 and Hwy 281 in Johnson City, TX. Travel approximately 5 1/2 miles west on Hwy. 290. Turn right on Triple S Trail and travel approximately 1.5 miles to destination on left (west side of road).			
City: Johnson City	County: Blanco	ZIP Code: 78636	
Latitude (nearest second): 30° 16' 23"		Longitude (nearest second): 98° 30' 17"	
II. Facility and Site Information			
A. Facility Name: Chanas Aggregates Blanco, LLC – Johnson City Site			
Type of Facility: Crushed and Broken Limestone			<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary
B. Type of Action: <input checked="" type="checkbox"/> Initial Application <input type="checkbox"/> Renewal <input type="checkbox"/> Change to Registration <input type="checkbox"/> Registration No.: <input type="checkbox"/> Expiration Date:			

Texas Commission on Environmental Quality
Registrations for Air Standard Permit
PI-1S
(Page 3)

II. Facility and Site Information (continued)	
H. Continued	
Are there any other air preconstruction permits at this site that would be directly associated with this project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list Permit No.:	
I. TCEQ Account Identification Number (if known):	
J. Is this facility located at a site which is required to obtain a federal operating permit pursuant to 30 TAC Chapter 122?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> To Be Determined
K. Identify the requirements of 30 TAC Chapter 122 that will be triggered if this Form PI-1S application is approved.	
<input type="checkbox"/> Application for an FOP <input type="checkbox"/> FOP Significant Revision <input type="checkbox"/> FOP Minor <input type="checkbox"/> Operational Flexibility/Off-Permit Notification <input type="checkbox"/> Streamlined Revision for GOP <input type="checkbox"/> To Be Determined <input checked="" type="checkbox"/> None	
L. Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. (check all that apply)	
<input type="checkbox"/> SOP <input type="checkbox"/> GOP <input type="checkbox"/> GOP Application/Revision Application: Submitted or Under APD Review <input type="checkbox"/> SOP Application Review Application: Submitted or Under APD Review <input checked="" type="checkbox"/> N/A	
III. Permit Fee Information	
A. Is a copy of the check or money order attached?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Check/Money Order/Transaction Number: TBD	
Company name on Check: TBD	
Fee Amount: \$900.00	
IV. Public Notice (If Applicable)	
A. Is the plant located at a site contiguous or adjacent to the public works project?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. Name of Public Place: Johnson City Library	
Physical Address: 209 Nugent Avenue	
City: Johnson City	County: Blanco
C. Small Business Classification:	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Concrete batch plants with enhanced controls, permanent rock crushers, and animal carcass incinerators shall place a copy of the technically complete application at the appropriate TCEQ regional office only.	

Texas Commission on Environmental Quality
Registration for Air Standard Permit
Form PI-1S
(Page 5)

VIII. Copies of the Registration

Copies must be sent as listed below. Processing delays will occur if copies are not sent as noted.

Air Permits Initial Review Team (APIRT)	<p>Regular, Certified, Priority Mail Mail Code 161, P.O. Box 13087, Austin, Texas 78711-3087</p> <p>OR</p> <p>Hand Delivery, Overnight Mail Mail Code 161, 12100 Park 35 Circle, Building C, Third Floor, Room 300 W, Austin, Texas 78753</p> <p>Note: The official application cannot be faxed to the TCEQ</p>	Copy of Money Order or Check, original Form PI-1S and Core Data Form; all attachments
Revenue Section TCEQ	<p>Regular, Certified, Priority Mail Mail Code 214, P.O. Box 13088, Austin, Texas 78711-3088</p> <p>OR</p> <p>Hand Delivery, Overnight Mail Mail Code 214, 12100 Park 35 Circle, Building A, Third Floor, Austin, Texas 78753</p>	Original Money Order or Check, a Copy of Form PI-1S, Core Data Form
Appropriate TCEQ Regional Office	To find your regional office address go to www.tceq.texas.gov/about/directory/region/reglist.html or call (512) 239-1250	Copy of Form PI-1S, Core Data Form, and all attachments
Appropriate Local Air Pollution Control Program(s)	To find your local air pollution control programs go to www.tceq.texas.gov/nav/permits/air_permits.html or call (512) 239-1250	Copy of Form PI-1S, Core Data Form, and all attachments



Texas Commission on Environmental Quality
Air Quality Standard Permit for Permanent Rock and Concrete Crushers
Registration Checklist

The following checklist has been developed to help the Texas Commission Environmental Quality (TCEQ), Air Permits Division (APD) confirm that the permanent rock or concrete crusher meets the standard permit requirements. Please read all questions and check "YES," "NO," or "N/A" or give specific information for the facility. If the permanent rock or concrete crusher plant does not meet all conditions of this standard permit, it will not be allowed to operate under the standard permit and must apply for a case-by-case preconstruction permit as required under Title 30 Texas Administrative Code § 116.111 (30 TAC § 116.111).

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
CONDITION NUMBER AND DESCRIPTION	
(1)(B) If crushing concrete, will the concrete crushing facility be operated at least 440 yards from any building which is in use as a single or multi-family residence, school, or place of worship at the time this application is filed? (The measurement of distance shall be taken from the point on the concrete crushing facility that is nearest to the residence, school, or place of worship toward the point on the building in use as a residence, school, or place of worship that is nearest the concrete crushing facility.)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(1)(C)(ii) In lieu of meeting the distance requirements of (1)(B), will the structure(s) within 440 yards of the concrete crushing facilities be occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(1)(D) In lieu of meeting the distance requirements in (1)(B), will all the following occur: (1)(D)(i) Will this plant be engaged in crushing concrete and other materials resulting from the demolition of a structure on this site and will the concrete and other materials being crushed be used primarily at this site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(ii) Will this plant operate onsite for one period of 180 calendar days or less?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(iii) Will all applicable conditions stated in commission rules, including operating conditions be met?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(D)(iv) Will the plant be located in a county with a population of 2.4 million or more persons, or in a county adjacent to such a county?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(1)(E) Do you intend to apply for an authorization under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, for any other crushing facility to be located at the same site within 12 months from the date of this authorization?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
CONDITION NUMBER AND DESCRIPTION <i>(continued)</i>	
(1)(N)	<div style="display: flex; justify-content: space-between;"> <div>Will this crushing operation and related activities comply with applicable requirements of 30 TAC Chapter 101, Subchapter F, Emission Events and Scheduled Maintenance, Startup, and Shutdown Activities?</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
(1)(P)	<div style="display: flex; justify-content: space-between;"> <div>Have maintenance emissions been authorized? (Maintenance emissions are not included in this permit and must be approved under separate authorization.)</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Have start-up and shutdown emissions been authorized? (Start-up and shutdown emissions that will exceed those expected during production operations must be approved under separate authorization.)</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>Will start-up and shutdown emissions exceed those expected during production operations?</div> <div><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
(1)(Q)	<div style="display: flex; justify-content: space-between;"> <div>Do you intend to authorize any facilities located at the same site as this rock crusher, by 30 TAC Chapter 106, Subchapter E, Aggregate and Pavement or 30 TAC § 106.512, Stationary Engines and Turbines?</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
PUBLIC NOTICE REQUIREMENTS - Detailed Public Notice Information will be Sent upon Determination of Technical Completeness	
(2)(B)(i)	<div style="display: flex; justify-content: space-between;"> <div>Will public notice be published no later than 30 days after the application is determined to be technically complete?</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
OPERATIONAL REQUIREMENTS	
(3)(A)	<div style="display: flex; justify-content: space-between;"> <div>Will the primary crusher throughput exceed 200 tons per hour?</div> <div><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
(3)(B)	<div style="display: flex; justify-content: space-between;"> <div>Will the crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, be located less than 200 feet from the nearest property line, as measured from the point on the facility nearest the property line?</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div>
(3)(C)	<div style="display: flex; justify-content: space-between;"> <div>At the time this application is filed, will the crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, be located at least 440 yards from any building which is in use as a single or multi-family residence, school, or place of worship?</div> <div><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</div> </div> <div style="margin-top: 10px;"> (Distance shall be measured from the point on the facility nearest the residence, school, or place of worship to the point on the residence, school, or place of worship nearest the facility). </div>



Air Quality Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist

Please Check The Type of Facility: <input checked="" type="checkbox"/> Rock Crusher <input type="checkbox"/> Concrete Crusher	
OPERATIONAL REQUIREMENTS <i>(continued)</i>	
(3)(M)	Will all in-plant roads and active work areas that are associated with the operation of the crusher, associated facilities, and associated sources be treated at all times with any of the following:
(3)(M)(i)	Covered with a material such as, but not limited to roofing shingles or tire chips? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(ii)	Dust-suppressant chemicals? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(iii)	Water? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(M)(iv)	Paved with a cohesive hard surface that is maintained intact and cleaned? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(N)	Will all stockpiles be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(O)	Will raw material and product stockpile heights exceed 45 ft? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(P)	Will the crusher be equipped with a weigh hopper or scale belt that accurately determines the mass of material being crushed? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(Q)	Will the crusher remain at least 440 yards from any existing residence, school, or place of worship when moving to a different location onsite? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Don Nelon

From: Don Nelon
Sent: Thursday, February 26, 2015 9:34 AM
To: 'Lindsey Renfro'
Subject: RE: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

I forgot to mention we also need TCEQ Checklist 20335 completed and submitted.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300

From: Don Nelon
Sent: Thursday, February 26, 2015 9:28 AM
To: Lindsey Renfro
Subject: Chanas Aggregates Blanco, LLC registration 130211

Lindsey,

During the technical review a few items were identified that require updating/clarification.

1. Section V. of the PI-1S was not answered. Please provide an update Section V.
2. Please provide a plot plan that meets the requirements of the PI-1S instructions for Item V. C.
3. Item (1)(G) on the checklist is currently marked N/A for the compliance history question. Please provide either a "yes" or "no" response to this question.
4. Item (3)(C) on the checklist is currently marked "yes" indicating there are no permanent residences within 440 yards of the proposed location of the crusher and associated equipment. Using Google Earth there appear to be two permanent residences that fall within 440 yards of the proposed location. One of these residences was identified in the site map, the other residence appears to be before the left turn to the site. Please confirm that neither the crushers or associated equipment will be located within 440 yards of either of these residences.
5. Please remember the diesel fuel tank will not be authorized by the standard permit.

Don Nelon
Mech Ag/Const Team
Tel: 512-239-0894
Fax: 512-239-1300



Compliance History Report

PUBLISHED Compliance History Report for CN604749184, RN108039520, Rating Year 2014 which includes Compliance History (CH) components from September 1, 2009, through August 31, 2014.

Customer, Respondent, or Owner/Operator:	CN604749184, Chanas Aggregates Blanco, LLC	Classification: NOT APPLICABLE	Rating: N/A
Regulated Entity:	RN108039520, CHANAS AGGREGATES BLANCO ROCK CRUSHER 1	Classification: NOT APPLICABLE	Rating: N/A
Complexity Points:	N/A	Repeat Violator:	N/A
CH Group:	04 - Mining		
Location:	FROM THE INTX OF HWY 290 AND HWY 281 IN JOHNSON CITY GO 5.5 MI W ON HWY 290 TURN R ON TRIPLE S TRAIL GO 1.5 MI TO DESTINATION ON L W SIDE OF RD BLANCO, TX, BLANCO COUNTY		
TCEQ Region:	REGION 11 - AUSTIN		
ID Number(s):	AIR NEW SOURCE PERMITS REGISTRATION 130211		
Compliance History Period:	September 01, 2009 to August 31, 2014	Rating Year: 2014	Rating Date: 09/01/2014
Date Compliance History Report Prepared:	February 26, 2015		
Agency Decision Requiring Compliance History:	Permit - Issuance, renewal, amendment, modification, denial, suspension, or revocation of a permit.		
Component Period Selected:	February 14, 2010 to February 13, 2015		
TCEQ Staff Member to Contact for Additional Information Regarding This Compliance History.			
Name:	Nelon	Phone:	(512) 239-0894

Site and Owner/Operator History:

- 1) Has the site been in existence and/or operation for the full five year compliance period? NO
- 2) Has there been a (known) change in ownership/operator of the site during the compliance period? NO
- 3) If **YES** for #2, who is the current owner/operator? N/A
- 4) If **YES** for #2, who was/were the prior owner(s)/operator(s)? N/A
- 5) If **YES**, when did the change(s) in owner or operator occur? N/A

Components (Multimedia) for the Site Are Listed in Sections A - J

A. Final Orders, court judgments, and consent decrees:

N/A

B. Criminal convictions:

N/A

C. Chronic excessive emissions events:

N/A

D. The approval dates of investigations (CCEDS Inv. Track. No.):

N/A

E. Written notices of violations (NOV) (CCEDS Inv. Track. No.):

A notice of violation represents a written allegation of a violation of a specific regulatory requirement from the commission to a regulated entity. A notice of violation is not a final enforcement action, nor proof that a violation has actually occurred.

N/A



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Attachments Describe Any Attachments: (ex. Title V Application, Waste Transporter Application, etc.)		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No PI-1S Registration for Air Standard Permit		
3. Customer Reference Number (if issued)		4. Regulated Entity Reference Number (if issued)
CN NEW		RN NEW

SECTION II: Customer Information

5. Effective Date for Customer Information Updates (mm/dd/yyyy)		1/21/2015	
6. Customer Role (Proposed or Actual) – as it relates to the <u>Regulated Entity</u> listed on this form. Please check only <u>one</u> of the following:			
<input type="checkbox"/> Owner	<input type="checkbox"/> Operator	<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Occupational Licensee	<input type="checkbox"/> Responsible Party	<input type="checkbox"/> Voluntary Cleanup Applicant	<input type="checkbox"/> Other: _____
7. General Customer Information			
<input checked="" type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	<input type="checkbox"/> Change in Regulated Entity Ownership
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State)		<input type="checkbox"/> No Change**	
**If "No Change" and Section I is complete, skip to Section III – Regulated Entity Information.			
8. Type of Customer:			
<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	<input type="checkbox"/> Sole Proprietorship- D.B.A	
<input type="checkbox"/> City Government	<input type="checkbox"/> County Government	<input type="checkbox"/> Federal Government	<input type="checkbox"/> State Government
<input type="checkbox"/> Other Government	<input type="checkbox"/> General Partnership	<input type="checkbox"/> Limited Partnership	<input type="checkbox"/> Other: _____
9. Customer Legal Name (If an individual, print last name first: ex: Doe, John)		If new Customer, enter previous Customer below	
Chana Aggregates Blanco, LLC		End Date: _____	
10. Mailing Address:			
7850 E State Hwy 29			
City	Llano	State	TX
ZIP	78643	ZIP + 4	3836
11. Country Mailing Information (if outside USA)		12. E-Mail Address (if applicable)	
		chanasaggregates@yahoo.com	
13. Telephone Number		14. Extension or Code	
(325) 247-3444		() -	
15. Fax Number (if applicable)			
16. Federal Tax ID (9 digits)	17. TX State Franchise Tax ID (11 digits)	18. DUNS Number (if applicable)	19. TX SOS Filing Number (if applicable)
205605628	32056056289		0802131249
20. Number of Employees			21. Independently Owned and Operated?
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

SECTION III: Regulated Entity Information

22. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)			
<input checked="" type="checkbox"/> New Regulated Entity	<input type="checkbox"/> Update to Regulated Entity Name	<input type="checkbox"/> Update to Regulated Entity Information	<input type="checkbox"/> No Change** (See below)
**If "NO CHANGE" is checked and Section I is complete, skip to Section IV, Preparer Information.			
23. Regulated Entity Name (name of the site where the regulated action is taking place)			
Chanas Aggregates Blanco, LLC - Johnson City Site rock crusher (SM)			

24. Street Address of the Regulated Entity: (No P.O. Boxes)							
	City		State		ZIP		ZIP + 4
25. Mailing Address:	7850 E State Hwy 29						
	City	Llano	State	TX	ZIP	78643	ZIP + 4 3836
26. E-Mail Address:	chanasaggregates@yahoo.com						
27. Telephone Number	28. Extension or Code		29. Fax Number (if applicable)				
(325) 247-3444			() -				
30. Primary SIC Code (4 digits)	31. Secondary SIC Code (4 digits)		32. Primary NAICS Code (5 or 6 digits)		33. Secondary NAICS Code (5 or 6 digits)		
1422	1429		21312		21319		
34. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description.)							
Crushed and Broken Limestone							

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:	From the intersection of Hwy 290 and Hwy 281 in Johnson City, TX. Travel approximately 5.5 miles west on Hwy 290. Turn right on Triple S Trail and travel approximately 1.5 miles to destination on left (west side of road).				
36. Nearest City	County		State	Nearest ZIP Code	
Johnson City	Blanco		TX	78636	
37. Latitude (N) In Decimal:	30.2731		38. Longitude (W) In Decimal:	-98.5045	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	16	23.33	98	60	16.82

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Industrial Hazardous Waste	<input type="checkbox"/> Municipal Solid Waste
<input checked="" type="checkbox"/> New Source Review – Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS	<input type="checkbox"/> Sludge
<input type="checkbox"/> Stormwater	<input type="checkbox"/> Title V – Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil	<input type="checkbox"/> Utilities
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Mr. Keith Jackson	41. Title:	Vice President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(325) 247-3444		() -	chanasaggregates@yahoo.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	Chanas Aggregates Blanco, LLC.	Job Title:	Vice President
Name (In Print):	Mr. Keith Jackson	Phone:	(325) 247-3444
Signature:		Date:	

Dam Safety	Districts	Edwards Aquifer	Industrial Hazardous Waste	Municipal Solid Waste
New Source Review – Air	OSSF	Petroleum Storage Tank	PWS	Sludge
Stormwater	Title V – Air	Tires	Used Oil	Utilities
Voluntary Cleanup	Waste Water	Wastewater Agriculture	Water Rights	Other:


SECTION IV: Preparer Information

40. Name:	Mr. Keith Jackson	41. Title:	Vice President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(325) 247-3444		() -	chanasaggregates@yahoo.com

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46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 9 and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:	Chanas Aggregates Blanco, LLC.	Job Title:	Vice President
Name (In Print):	Mr. Keith Jackson	Phone:	(325) 247-3444
Signature:		Date:	2-2-15

CHANAS AGGREGATES, LLC

7850 East State Hwy 29
Llano, TX 78643
325-247-3444



THE
COMMERCIAL
BANK

P.O. BOX 40
MASON, TEXAS 76856
(325) 947-6324
MEMBER OF FDIC

88-549-1149

2-2-15

PAY TO THE
ORDER OF

Texas Commission on Environmental Quality

\$ 900.00

Nine hundred and _____

DOLLARS

MEMO

AUTHORIZED SIGNATURE

⑈005105⑈ ⑆114905499⑆ ⑈00 792 7⑈



List of Attachments

Form PI-1S
Form PI-1S Signature Page
Core Data Form
Core Data Form Signature Page
Copy of Fee Check
Standard Permit for Permanent Rock and Concrete Crushers Registration Checklist
Process Description
Process Flow Diagram
Emissions Calculations
 Estimated Emissions Summary
 Crusher Emissions Calculations
 Screen Emissions Calculations
 Material Handling Emissions Calculations
 Stockpile Emissions Calculations
 Tank Emissions Calculations
Plot Plan
Area Map
State and Federal Regulatory Review
Table 17
Tanks 4.0 Emission Report
 Tank T-1 Annual Report
Current Emission Factors
 AP-42, Table 11.19.2-2 – Emission Factors for Crushed Stone Processing Operations
 (August 2004)
Equipment Specifications
 Cedarapids 3042 Jaw Crusher
 Remco 500 Sandmax Vertical Shaft Impact (VSI) Crusher
Standard Permit for Permanent Rock and Concrete Crushers – Effective Date July 31, 2008

Chanas Aggregates Blanco, LLC – Johnson City Site Process Description

Chanas Aggregates Blanco, LLC will be blasting rock on approximately 40 acres of land. Once the rock has been blasted, the material will be transferred by a front-loader at a maximum rate of 200 tons per hour (tph) and 528,000 tons per year (tpy) into a Cedarapids 3042 jaw crusher. Crushed material will be sorted through a screen and into three different stockpiles based on product size. After separation into the designated stockpiles, a 500 Sandmax Vertical Shaft Impact (VSI) Crusher will be utilized for secondary crushing as necessary. The VSI crusher will be loaded using a front-loader at a maximum rate of 200 tph and 528,000 tpy to crush material into smaller pieces. Once crushed into smaller pieces, the rock gets separated through a screener and goes into three stockpiles based on size. The total combined stockpiles will cover a maximum of 4 acres of land.

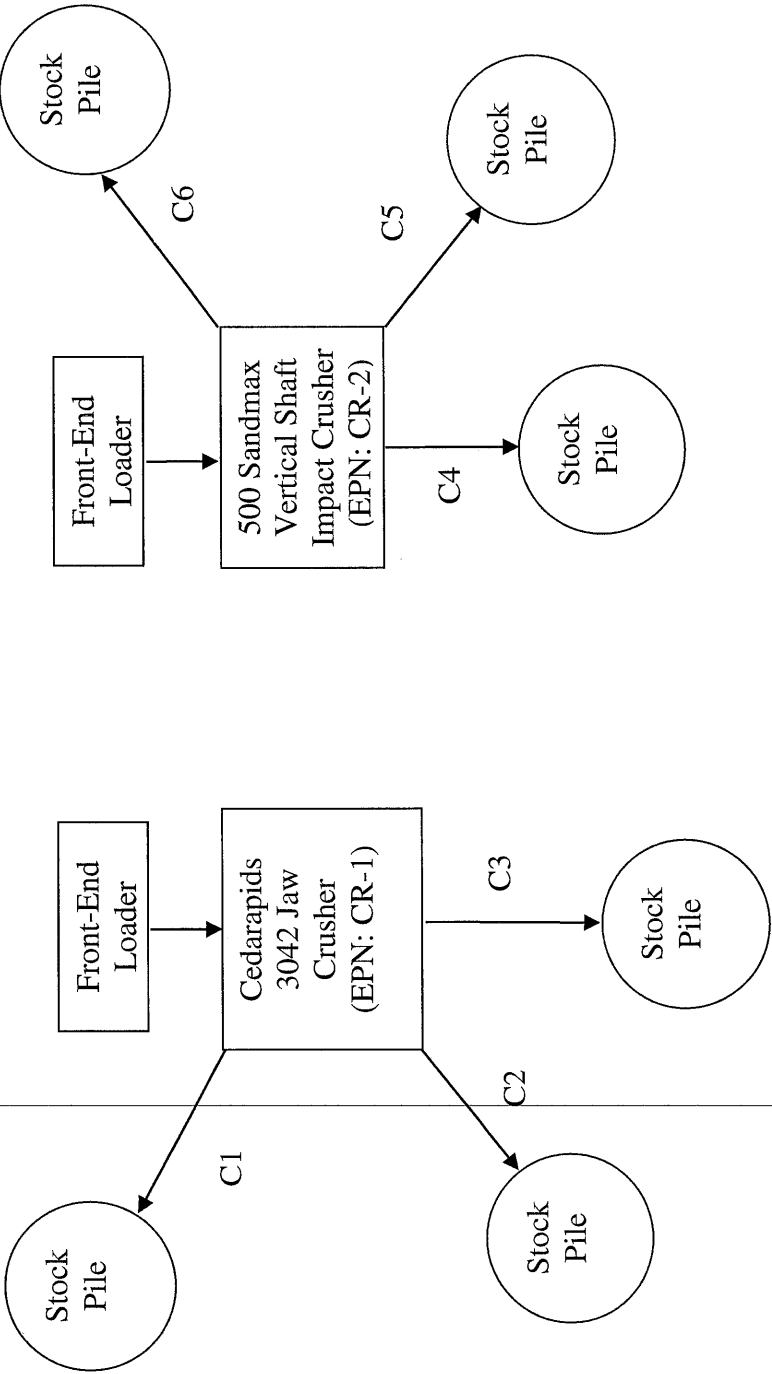
Permanently mounted spray bars will be installed at the inlet and outlet of the crusher and used as necessary. The crushers will be equipped with a runtime meter, which will be utilized during crushing operations. The crusher will also be equipped with a weigh hopper or scale belt to accurately determine the mass of material being crushed. Water will be used as necessary to control particulate matter emissions from stockpiles.

The crushers and associated equipment will be run off of the power grid and no diesel engines or generators will be utilized for powering the equipment. The crushers and associated facilities (excluding stockpiles and truck loading) will not operate for more than an aggregate of 2,640 hours in any rolling 12 month period.

After crushing, the rock will be transferred from stockpiles into haul trucks using a front-end loader at a maximum rate of 500 tph and 1,320,000 tpy.

One diesel fuel tanks will be utilized to fuel mobile equipment. The diesel tanks are approximately 5,000 gallons each and are not expected to have 12 turnovers per year per tank. Emissions from the tanks are authorized under Title 30 Texas Administrative Code (TAC) § 106.412 – *Fuel Dispensing*.

Chanas Aggregates Blanco, LLC
Process Flow Diagram



C – Conveyor
EPN – Emission Point Number
CR – Crusher

Chanas Aggregates Blanco, LLC Estimated Emissions Summary

EPN	Emission Source	NOx		VOC		CO		SO ₂		PM		PM ₁₀		PM _{2.5}	
		(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)	(lbs/hr)	(tpy)
CR-1	Primary Crusher	--	--	--	--	--	--	--	--	0.24	0.32	0.11	0.14	0.00	0.00
CR-2	Secondary Crusher	--	--	--	--	--	--	--	--	0.24	0.32	0.11	0.14	0.00	0.00
S-1	Screen 1	--	--	--	--	--	--	--	--	0.44	0.58	0.15	0.20	0.01	0.01
S-2	Screen 2	--	--	--	--	--	--	--	--	0.44	0.58	0.15	0.20	0.01	0.01
MH-1	Primary Crusher Loading	--	--	--	--	--	--	--	--	0.03	0.04	0.01	0.01	0.00	0.00
MH-2	Secondary Crusher Loading	--	--	--	--	--	--	--	--	0.03	0.04	0.01	0.01	0.00	0.00
MH-3	Truck Loading	--	--	--	--	--	--	--	--	0.07	0.09	0.02	0.03	0.01	0.01
MH-4	Out of Screener 1	--	--	--	--	--	--	--	--	0.08	0.11	0.03	0.04	0.01	0.01
MH-5	Out of Screener 2	--	--	--	--	--	--	--	--	0.08	0.11	0.03	0.04	0.01	0.01
ST-1	Stockpiles	--	--	--	--	--	--	--	--	0.66	2.58	0.33	1.29	0.05	0.19
T-1	Diesel Tank 1	--	--	--	0.08	--	--	--	--	--	--	--	--	--	--
TOTAL EMISSIONS:		0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	2.31	4.77	0.94	2.09	0.10	0.26

Notes

EPN - Emission Point Number
 lbs/hr - Pounds Per Hour
 tpy - Tons Per Year
 NOx - Nitrogen Oxides
 VOC - Volatile Organic Compounds
 CO - Carbon Monoxide
 SO₂ - Sulfur Dioxide
 PM - Particulate Matter

**Chanas Aggregates Blanco, LLC
Crusher Emissions Calculations**

EPN	Description	Hourly Production Rate (ton/hr)	Proposed Operating Schedule (hr/yr)	Proposed Annual Production Rate (ton/yr)	Control Factor (CF) (%)	Contaminant	Emissions Factor (lb/ton)	Hourly Emissions Rate (lb/hr)	Annual Emissions Rate (tpy)
CR-1	Primary Crusher	200	2,640	528,000	0%	PM PM ₁₀ PM _{2.5}	0.0012 0.00054 0.00001	0.2400 0.1080 0.0020	0.3168 0.1426 0.0026
CR-2	Secondary Crusher	200	2,640	528,000	0%	PM PM ₁₀ PM _{2.5}	0.0012 0.00054 0.00001	0.2400 0.1080 0.0020	0.3168 0.1426 0.0026

Notes and Calculation Methodology

Proposed Operating Schedule (hr/yr) = 10 (hr/day) * 5.5 (day/wk) * 48 (wk/yr) = 2,640 (hr/yr)

Proposed Annual Production Rate (ton/yr) = Hourly Production Rate (ton/hr) * Operating Schedule (hr/yr)

Pursuant to guidance received from TCEQ, PM, PM₁₀, and PM_{2.5} emissions factors have been obtained from AP-42, Table 11.19.2-2 (August 2004) for Tertiary Crushing (controlled)

Hourly Emissions Rate (lb/hr) = Emissions Factor (lb/ton) * Hourly Production Rate (ton/hr) * (1 - CF %)

Annual Emissions Rate (tpy) = Emissions Factor (lb/ton) * Annual Production Rate (ton/yr) * (1 - CF %) / 2000 (lb/ton)

Chanas Aggregates Blanco, LLC
Screen Emissions Calculations

EPN	Description	Hourly Production Rate (ton/hr)	Proposed Operating Schedule (hr/yr)	Proposed Annual Production Rate (ton/yr)	Control Factor (CF) (%)	Contaminant	Emissions Factor (lb/ton)	Hourly Emissions Rate (lb/hr)	Annual Emissions Rate (tpy)
S-1	Screen 1	200	2,640	528,000	0%	PM	0.0022	0.4400	0.5808
						PM ₁₀	0.00074	0.1480	0.1954
						PM _{2.5}	0.00005	0.0100	0.0132
S-2	Screen 2	200	2,640	528,000	0%	PM	0.0022	0.4400	0.5808
						PM ₁₀	0.00074	0.1480	0.1954
						PM _{2.5}	0.00005	0.0100	0.0132

Notes and Calculation Methodology

Proposed Operating Schedule (hr/yr) = 10 (hr/day) * 5.5 (day/wk) * 48 (wk/yr) = 2,640 (hr/yr)

Proposed Annual Production Rate (ton/yr) = Hourly Production Rate (ton/hr) * Operating Schedule (hr/yr)

PM, PM₁₀, and PM_{2.5} emissions factors have been obtained from AP-42, Table 11.19.2-2 (August 2004) for screening (controlled).

Hourly Emissions Rate (lb/hr) = Emissions Factor (lb/ton) * Hourly Production Rate (ton/hr) * (1 - CF %)

Annual Emissions Rate (tpy) = Emissions Factor (lb/ton) * Annual Production Rate (ton/yr) * (1 - CF %) / 2000 (lb/ton)

Chanas Aggregates Blanco, LLC
Screen Emissions Calculations

material being loaded is coming from a wetted structure.

TOTAL conveyor length is < 300 feet; therefore, no emissions are assumed for conveyor length.

PM, PM₁₀, and PM_{2.5} emissions factors have been obtained from AP-42, Table 11.19.2-2 (August 2004) for Conveyor Transfer Point (controlled) have been utilized to calculate emissions for the drop(s) out of the screener

Hourly Emissions Rate (lb/hr) = Emissions Factor (lb/ton) * Hourly Production Rate (ton/hr) * (1 - CF %) * Number of Similar Drops (#)

Annual Emissions Rate (tpy) = Emissions Factor (lb/ton) * Annual Production Rate (ton/yr) * (1 - CF %) * Number of Similar Drops / 2000 (lb/ton)

Chanas Aggregates Blanco, LLC
Stockpile Emissions Calculations

EPN	Description	Proposed Stockpile Area (A) (acres)	Control Factor (CF) (%)	Number of Active Days per Year (D) (day/yr)	Activity	Contaminant	Annual Emissions Rate (tpy)	Hourly Emissions Rate (lb/hr)
ST-1	Stockpiles	4	70%	312	Inactive Stockpiles	PM	0.1113	0.1750
						PM ₁₀	0.0557	0.0875
						PM _{2.5}	0.0083	0.0131
					Active Stockpiles	PM	2.4710	0.6600
						PM ₁₀	1.2355	0.3300
						PM _{2.5}	0.1853	0.0495
					Total	PM	2.5823	0.6600
						PM ₁₀	1.2912	0.3300
						PM _{2.5}	0.1937	0.0495

Notes and Calculation Methodology

Emissions equation(s) obtained from TCEQ Draft Guidance Document RG058 for Rock Crushing Plants, February 2002

The stockpile movement emissions are included in the stockpile emissions calculations.

PM (inactive stockpiles) (ton/yr) = 3.5 (lb PM / acre-day) * ((365 days - D)/yr) * Stockpile Area (acres) * (1 - CF %) / 2000 (lb/ton)

PM₁₀ (inactive stockpiles) (ton/yr) = PM (inactive stockpiles) (ton/yr) * 50%

PM_{2.5} (inactive stockpiles) (ton/yr) = PM₁₀ (inactive stockpiles) (ton/yr) * 15%

PM (inactive stockpiles) (lb/hr) = 3.5 (lb PM / acre-day) * Stockpile Area (acres) * (1 - CF %) / 24 (hr/day)

PM₁₀ (inactive stockpiles) (lb/hr) = PM (inactive stockpiles) (lb/hr) * 50%

PM_{2.5} (inactive stockpiles) (lb/hr) = PM₁₀ (inactive stockpiles) (lb/hr) * 15%

PM (active stockpiles) (ton/yr) = 13.2 (lb PM / acre-day) * Active Days (days/yr) * Stockpile Area (acres) * (1 - CF %) * Active Days (days/yr) / 2000 (lb/ton)

PM₁₀ (ton/yr) = PM (active stockpiles) (ton/yr) * 50%

PM_{2.5} (ton/yr) = PM₁₀ (active stockpiles) (ton/yr) * 15%

PM (active stockpiles) (lb/hr) = 13.2 (lb PM / acre-day) * Stockpile Area (acres) * (1 - CF %) / 24 (hr/day)

PM₁₀ (lb/hr) = PM (active stockpiles) (lb/hr) * 50%

PM_{2.5} (lb/hr) = PM₁₀ (active stockpiles) (lb/hr) * 15%

Tank ID	Tank Type	Worst Case Product	Emissions Type	Liquid Composition (%)	Annual Throughput (gal/yr)	Vapor Molecular Weight (M _v) (lb/lb-mole)	Max. Liquid Process Temperature (T _{LMAX}) (°F)	Vapor Pressure at Max Process Temperature (P _{VM})	Tank Activity	Turnover Factor (K _n)	Working Loss Product Factor (K _p)	Vent Setting Correction Factor (K _b)
T-1	HZ	Diesel	VOC	100%	120,000	180	84.8		1	1	1	1

Note:

VOC = Volatile Organic Compound

Emissions Calculations Methodology

HOURLY

$$AP-42 \quad Lw \text{ (lb/yr)} = (N)(Hix)(A)(Kn)(Kp)(Wv)(Kb)$$

Where:

Lw = Annual working loss (lb/yr)

N = Turnovers per year (Annual Throughput (gal/yr) / Tank Volume (Tcg))

Hix = Max liquid height (ft)

A = Surface area of tank (ft²)

Kn = Working loss factor. Turnovers < 36, Kn = 1. Turnovers > 36, Kn = (180+N)/6N with N = # of turnover

Kp = Working Loss Product Factor (for crude Kp = 0.75. For all other organic liquids Kp = 1)

Wv = Vapor density of liquid based on max liquid surface temperature of 95 degrees (lb/ft³)

Kb = Vapor setting correction factor (for open vents and vent setting range up to ± 0.03 psig, Kb =1.

Where as:

N = Annual Throughput (gal/yr) / Tank Volume (Tcg)

$$A \text{ (ft}^2\text{)} = (\pi / 4) * D_e^2$$

$$Wv = (MWv * Vpmax) / (R * Tmax)$$

And where as:

MWv = Vapor Molecular Weight (lb/lb-mole)

Vpmax = Vapor Pressure at Max Process Temperature (psia)

R = Rankines Constant, (10.73 psia*ft³ / lb-mole*°R)

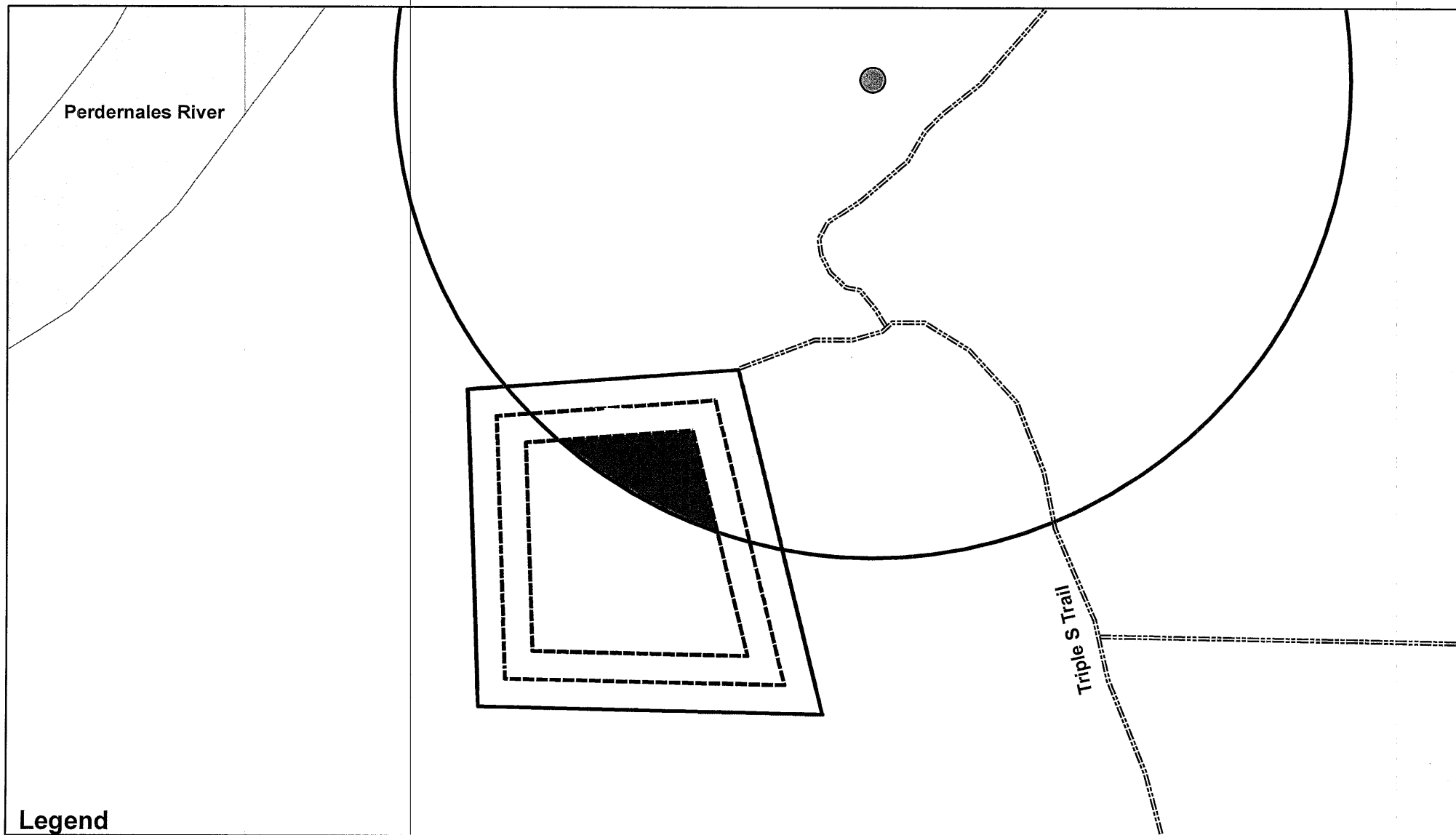
$$Lmax \text{ (lb/hr)} = (Lw)(Frm)/(N)(Tcg)$$

ANNUAL









Uncontrolled Annual Losses (tpy) = Total Annual Losses (lb/yr) * (ton / 2000 lb)

Where:

Total Annual Losses (lb/yr) = From Tanks 4.0



Legend

-  Property Boundary
-  200 ft Buffer - Rock Crushing Plant
-  100 ft Buffer - Stockpiles and Vehicle Traffic
-  Nearest Structure
-  440 yd Buffer - Nearest Structure
-  No Crushing Operations
-  Roads
-  River

Source:
Google Earth 2014, Google Maps
Datum: WGS 1984



Chanas Aggregates Blanco, LLC
Johnson City, Texas
Plot Plan

Hill Country Environmental
1613 S. Capital of Texas Hwy
Suite 201
Austin, Texas 78746

Location:

30° 16' 23.33" N
98° 30' 16.82" W

1 inch = 391 feet

February 2015




Legend

- ☐ Property Boundary
- ☐ 3000 ft Buffer

Source:
Google Earth 2014, Google Maps
Datum: WGS 1984



Chanas Aggregates Blanco, LLC
Johnson City, Texas
Area Map


Hill Country Environmental
1613 S. Capital of Texas Hwy
Suite 201
Austin, Texas 78746

Location:

30° 16' 23.33" N
98° 30' 16.82" W

1 inch = 1548 feet

February 2015

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

Title 30 of the Texas Administrative Code (30 TAC) Chapter 101 – General Rules

§101.1 Definitions – This rule is administrative in nature and does not regulate the operation of the facility.

§101.2 Multiple Air Contaminant Sources or Properties – Chanas Aggregates Blanco, LLC (Chanas) is not petitioning for a single property designation with other property owners.

§101.3 Circumvention – Chanas does not currently use or plan to implement any plan, activity, device or contrivance that will, without resulting in an actual reduction in air contaminants, conceal or appear to minimize the effects of emissions which would otherwise constitute a violation of the Texas Clean Air Act (TCAA) or Texas Commission on Environmental Quality (TCEQ) regulations.

§101.4 Nuisance – Chanas will not discharge from any source contaminants in a concentration and of such duration as are or may tend to be injurious to or to adversely affect human health or welfare, animal life, vegetation, or property, or as to interfere with the normal use and enjoyment of animal life, vegetation, or property.

§101.5 Traffic Hazard – No discharge of air contaminants, uncombined water, or other material from the site will cause or have a tendency to cause a traffic hazard or interfere with normal road use.

§101.8 Sampling – All required sampling will be performed in accordance with the permit and TCEQ guidance, and records will be maintained as required.

§101.9 Sampling Ports – If required, sampling ports will comply with TCEQ requirements.

§101.10 Emissions Inventory Requirements – Emissions inventories will be prepared as required.

§101.13 Use and Effect of Rules – This rule is administrative in nature and does not regulate the operation of the facility.

§101.14 Sampling Procedures and Terminology – This rule is administrative in nature and does not regulate the operation of the facility.

§101.18 Remedies Cumulative – This rule is administrative in nature and does not regulate the operation of the facility.

§101.19 Severability – This rule is administrative in nature and does not regulate the operation of the facility.

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

§101.20 Compliance with Environmental Protection Standards:

Title 40 of the Code of Federal Regulations (40 CFR) Part 60 (National Standards of Performance for New Stationary Sources Regulations [NSPS])

40 CFR Part 60 Subpart A – *General Provisions*

This subpart is applicable because NSPS regulations apply to the site.

40 CFR Part 60 Subpart OOO – *Standards of Performance for Nonmetallic Mineral Processing Plants.*

This subpart is applicable because the facility operates nonmetallic mineral processing.

40 CFR 60, Subpart IIII – *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.*

This subpart is not applicable because the facility will power the crushers off the electrical grid.

40 CFR Part 61 (National Emission Standards for Hazardous Air Pollutants [NESHAPS] Regulations)

40 CFR Part 61 Subpart A – *General Provisions*

This subpart is not applicable because no NESHAPS regulations apply to the site.

40 CFR Part 63 (Maximum Achievable Control Technology [MACT] Regulations)

40 CFR Part 63 Subpart A – *General Provisions*

This subpart is not applicable because no MACT regulations apply to the site.

40 CFR Part § 52.21 – Prevention of Significant Deterioration (PSD) of Air Quality

The site is not one of the stationary sources of air pollutants listed in 40 CFR § 52.21(b)(1)(i)(a). Further, Chanas is not a major source of air pollutants. Therefore, 40 CFR § 52.21 is not applicable to the Chanas site.

§101.21 The National Primary and Secondary Ambient Air Quality Standards – Chanas will comply with all application National Ambient Air Quality Standards (NAAQS).

§101.23. Alternate Emission Reduction ("Bubble") Policy – The operation of the facility will not be regulated by the Alternative Emission Reduction Policy.

§101.24 Inspection Fees – Chanas will remit inspection fees as applicable.

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

§101.26 Surcharge on Fuel Oil in Specified Boilers – Surcharges on fuel oil in specified boilers do not apply to Chanas.

§101.27 Emissions Fees – Chanas will remit emissions fees as applicable.

§101.28 Stringency Determination for Federal Operating Permits – Chanas is not a major source; therefore, Federal Operating Permits Program is not applicable.

§101.201 Emissions Event Reporting and Recordkeeping Requirements – Chanas will follow the notification requirements in §101.201, should a reportable emissions event, as defined in §101.1, occur.

§101.211 Scheduled Maintenance, Start-Up and Shutdown Reporting – Chanas will comply with the provisions of §101.211 to the extent applicable.

§101.221 Operational Requirements – Chanas will comply with these provisions to the extent applicable.

§101.222 Demonstrations – Chanas will comply with these provisions to the extent applicable.

§101.223 Actions to Reduce Excessive Emissions – Chanas will comply with these provisions to the extent applicable.

§101.224 Temporary Exemptions During Drought Conditions – Chanas will comply with these provisions to the extent applicable.

30 TAC Chapter 101, Subchapter H – Emissions Banking and Trading

Banking of emissions credits are not considered as part of this permit application.

30 TAC Chapter 111 – Control of Air Pollution From Visible Emissions and Particulate Matter

§111.111 Opacity will not exceed 20% over a six minute period for any source. Compliance will be determined by the use of Test Method 9 (40 CFR 60, Appendix A) as necessary/requested. Should opacity reading be necessary, readings will be obtained by a person with a current certification for determining opacity under 40 CFR 60, Appendix A, Test Method 9.

30 TAC Chapter 112 – Control of Air Pollution from Sulfur Compounds

Chanas does not operate facilities regulated by this chapter; therefore, 30 TAC Chapter 112 does not apply.

30 TAC Chapter 113 – Standards of Performance for Hazardous Air Pollutants and for Designated Facilities and Pollutants

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

Chapter 113 is not applicable to this facility.

30 TAC Chapter 114 – Control of Air Pollution from Motor Vehicles

Chanas is not a motor vehicle; therefore, this regulation is not applicable.

30 TAC Chapter 115 – Control of Air Pollution from VOCs

§115 Subchapter A – Definitions

§115.10 – Definitions – This rule is administrative in nature and does not regulate the operation of the facility.

§115 Subchapter B Division 1 – Storage of Volatile Organic Compounds – The facility is not located in one of the listed counties; therefore, the provisions of this division do not apply.

§115 Subchapter B Division 2 Vent Gas Control – Chanas does not operate any regulated process vents which emit VOCs; therefore, the provisions of this division do not apply.

§115 Subchapter B Division 3 Water Separation – Chanas does not operate a water separation unit; therefore, the provisions of this division do not apply.

§115 Subchapter B Division 4 Industrial Wastewater – Chanas will not generate wastewater streams at the site; therefore, the provisions of this division do not apply..

§115 Subchapter B Division 5 Municipal Solid Waste Landfills – Chanas does not operate any municipal solid waste landfill facilities at the site; therefore, the provisions of this division do not apply.

§115 Subchapter B Division 6 Batch Processes – Chanas does not operate a batch process under one of the specified Standard Industrial Classification (SIC) codes. Furthermore, Chanas does not operate an ‘exempt’ batch process or a batch process which utilizes a highly-reactive VOC; therefore, the provisions of this division do not apply.

§115 Subchapter C Volatile Organic Compound Transfer Operations – Chanas is not a gasoline terminal or gasoline motor vehicle fuel dispensing facility nor is the site located in the listed areas; therefore, the provisions of this subchapter do not apply.

§115 Subchapter D Petroleum Refining, Natural Gas Processing, and Petrochemical Processes – Chanas is not a petroleum refinery, a natural gas/gasoline processing plant, nor is the site located in Gregg, Nueces or Victory County; therefore, the provisions of this subchapter do not apply.

§115 Subchapter E Solvent-Using Processes – Chanas does not operate a degreasing process, surface coating process, flexographic and rotogravure printing process, offset lithographic

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

printing process, or utilize industrial cleaning solvents or adhesive; therefore the provisions of this subchapter do not apply.

§115 Subchapter F Miscellaneous Industrial Sources – Chanas does not utilize cutback asphalt, own or operator a synthesized pharmaceutical manufacturing facility, degas storage tanks, transport vessels or marine vessels or operate a petroleum dry cleaning system; therefore, the provisions of this subchapter do not apply.

§115 Subchapter G Consumer Related Sources – Chanas does not sell, offer for sale, supply, distribute or manufacture automotive windshield washer fluid for use in the State of Texas; therefore, the provisions of this subchapter do not apply.

§115 Subchapter H Highly-Reactive Volatile Organic Compounds – Chanas does not have the potential to emit highly-reactive VOCs as defined by 30 TAC §115.10; therefore, the provisions of this division do not apply.

§115 Subchapter J Administrative Provisions – Chanas will comply with the provisions of this subchapter to the extent applicable.

30 TAC Chapter 116 – Control of Air Pollution by Permits for New Construction or Modification

This facility complies with all applicable requirements of this regulation.

§§116.111(a)(2)(A) Protection of Public Health and Welfare – Chanas will comply with all applicable rules and regulations of the commission and with the intent of the TCAA, including protection of the health and property of the public. No schools are located within 3,000 feet of the proposed facility.

§§116.111(a)(2)(B) Measurement of Emissions – Chanas will comply with all permit provisions associated with measuring emissions of significant air contaminants.

§§116.111(a)(2)(C) Best Available Control Technology (BACT) – Chanas will utilize BACT for primary pollution control at the facility (refer to BACT section of this application for details).

§§116.111(a)(2)(D) NSPS – Chanas is subject to 40 CFR Part 60; therefore, Chanas will comply with all permit provisions associated with standards of performance for new stationary sources (refer to the section above referencing 30 TAC 101.20 for details).

§§116.111(a)(2)(E) NESHAP – Chanas is not subject to 40 CFR Part 61; therefore, this regulation does not apply.

§§116.111(a)(2)(F) NESHAP for Source Categories – Chanas is not subject to 40 CFR Part 63; therefore, this regulation does not apply.

**Chanas Aggregates Blanco, LLC – Johnson City Site
State and Federal Regulatory Review**

§§116.111(a)(2)(G) *Performance Demonstration* – Chanas will achieve the performance specified in the permit application.

§§116.111(a)(2)(H) *Non-Attainment Review* – Chanas is not located in a non-attainment area.

§§116.111(a)(2)(I) *PSD Review* – Based on emission calculations provided in the application, this facility is not major and will not exceed any PSD thresholds; therefore, the provisions of this regulation do not apply.

§§116.111(a)(2)(J) *Air Dispersion Modeling* – Chanas will provide air dispersion modeling upon request.

§§116.111(a)(2)(K) *Hazardous Air Pollutants* – The facility will not emit HAPs in the excess of 10 tons per year (tpy) of any individual HAP or 25 tpy of combined HAPs; therefore, the provisions of this regulation do not apply.

§§116.111(a)(2)(L) *Mass Cap and Trade Allowances* – Blanco County is not currently involved in the TCEQ's Mass Cap and Trade Program; therefore, the provisions of this regulation do not apply.

§§116.111(a)(2)(K) *Hazardous Air Pollutant Major Source* – Chanas is not a major source for Hazardous Air Pollutants; therefore, the provisions of this regulation do not apply.

30 TAC 116, Subchapter C – Plant-Wide Applicability Limit

Chanas is not seeking a plant-wide applicability limit; therefore, the provisions of this regulation do not apply.

30 TAC Chapter 117 – Control of Air Pollution from Nitrogen Compounds

Chanas is not a major source, nor is it located in the specified ozone nonattainment area, nor is it an acid manufacturing facility; therefore, the provisions of this regulation do not apply.

30 TAC Chapter 118 – Control of Air Pollution Episodes

Chanas will comply with all orders of the TCEQ relating to generalized and localized air pollution episodes.

30 TAC Chapter 122 – Federal Operating Permits Program

Chanas is not a major source and, therefore, does not require a Federal Operating Permit.



Table 17

Rock Crushers

Please Complete the Following						
Maximum operating schedule: 10		hours/day 5.5		days/week 48		weeks/year
Does the facility operate at night?						<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Maximum Plant Production Rates:						
<input checked="" type="checkbox"/> Primary Crusher	Type: Jaw	200	tons/hour	528,000	tons/year	
<input checked="" type="checkbox"/> Secondary Crusher(s)	Type: VSI	200	tons/hour	528,000	tons/year	
<input type="checkbox"/> Tertiary Crusher(s)	Type:		tons/hour		tons/year	
The Following Pieces of Equipment will be Controlled as Shown:						
Equipment	None	Water Spray	Suction to Baghouse	Other (explain)		
Feed Hoppers:		X				
All Belt Transfer Points:		X				
Inlet of all Crushers:		X				
Outlet of all Crushers:		X				
All Shaker Screens:		X				
If Water Sprays are used, Provide the Following Data:						
Water Flow Rate (gpm):						
Water Pressure at the Nozzle (psi):						
Number of Nozzles at each location:						
<i>If baghouse is used, attach a Table 11 "Fabric Filters."</i>						
Average material moisture content (%):						
Maximum acreage covered by stockpiles (acres): 4						
Stockpiles have the following controls:		<input type="checkbox"/> None		<input checked="" type="checkbox"/> Water		<input type="checkbox"/> Chemical
In-plant roads will be:	<input type="checkbox"/> Paved & Vacuumed			<input type="checkbox"/> Paved & Swept		<input type="checkbox"/> Oiled
	<input checked="" type="checkbox"/> Sprinkled with Water and/or Chemicals			<input type="checkbox"/> Other:		
Please Provide the Following Information for all Vehicles which Travel on Plant Property:						
Vehicle Type	Speed	Weight Empty (tons)	Weight Full (tons)	No. of Wheels	Distance Traveled per Round Trip (miles or feet)	Road Type
Raw Aggregate						<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved
Loader						<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved
Product Trucks						<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved
Other						<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved
Other						<input type="checkbox"/> Paved <input checked="" type="checkbox"/> Unpaved

Save Form

Reset Form

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Identification and Physical Characteristics

Identification

User Identification:	Tank - 1
City:	Johnson City
State:	Texas
Company:	Chanas Aggregates Blanco, LLC
Type of Tank:	Horizontal Tank
Description:	Diesel Tank

Tank Dimensions

Shell Length (ft):	17.50
Diameter (ft):	7.00
Volume (gallons):	5,000.00
Turnovers:	24.00
Net Throughput(gal/yr):	120,000.00
Is Tank Heated (y/n):	N
Is Tank Underground (y/n):	N

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meteorological Data used in Emissions Calculations: Austin, Texas (Avg Atmospheric Pressure = 14.41 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

Tank - 1 - Horizontal Tank
Johnson City, Texas

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
DIESEL	Jan	61.11	56.33	65.89	68.55	0.1900	0.1900	0.1900	180.0000			180.00	Option 1: VP60 = .19 VP70 = .19
DIESEL	Feb	63.21	57.94	68.47	68.55	0.1900	0.1900	0.1900	180.0000			180.00	Option 1: VP60 = .19 VP70 = .19
DIESEL	Mar	67.46	61.93	72.99	68.55	0.1900	0.1900	0.2279	180.0000			180.00	Option 1: VP60 = .19 VP70 = .19
DIESEL	Apr	71.32	65.74	76.89	68.55	0.2067	0.1900	0.2773	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	May	74.16	68.66	79.67	68.55	0.2427	0.1900	0.3125	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Jun	76.97	70.95	82.99	68.55	0.2783	0.2020	0.3546	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Jul	78.44	72.07	84.80	68.55	0.2969	0.2163	0.3776	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Aug	78.35	72.07	84.63	68.55	0.2958	0.2163	0.3754	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Sep	75.89	70.18	81.60	68.55	0.2646	0.1923	0.3369	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Oct	71.51	65.88	77.13	68.55	0.2091	0.1900	0.2804	180.0000			180.00	Option 1: VP70 = .19 VP80 = .3167
DIESEL	Nov	66.57	61.38	71.76	68.55	0.1900	0.1900	0.2123	180.0000			180.00	Option 1: VP60 = .19 VP70 = .19
DIESEL	Dec	62.28	57.48	67.07	68.55	0.1900	0.1900	0.1900	180.0000			180.00	Option 1: VP60 = .19 VP70 = .19

TANKS 4.0.9d **Emissions Report - Detail Format** **Detail Calculations (AP-42)**

Tank - 1 - Horizontal Tank **Johnson City, Texas**

Month:	January	February	March	April	May	June	July	August	September	October	November	December
Standing Losses (lb):	2.5544	2.5489	3.1381	3.5541	4.4305	5.4756	6.3546	6.2420	4.9420	3.7619	2.7714	2.5523
Vapor Space Volume (cu ft):	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675
Vapor Density (lb/cu ft):	0.0061	0.0061	0.0060	0.0065	0.0076	0.0087	0.0093	0.0092	0.0083	0.0066	0.0061	0.0061
Vapor Space Expansion Factor:	0.0325	0.0360	0.0404	0.0439	0.0456	0.0514	0.0545	0.0537	0.0486	0.0445	0.0368	0.0325
Vented Vapor Saturation Factor:	0.9660	0.9660	0.9660	0.9631	0.9569	0.9509	0.9478	0.9480	0.9532	0.9627	0.9660	0.9660
Tank Vapor Space Volume:												
Vapor Space Volume (cu ft):	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675	428.9675
Tank Diameter (ft):	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000	7.0000
Effective Diameter (ft):	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920	12.4920
Vapor Space Outage (ft):	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000
Tank Shell Length (ft):	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000	17.5000
Vapor Density												
Vapor Density (lb/cu ft):	0.0061	0.0061	0.0060	0.0065	0.0076	0.0087	0.0093	0.0092	0.0083	0.0066	0.0061	0.0061
Vapor Molecular Weight (lb/lb-mole):	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1900	0.1900	0.1900	0.2067	0.2427	0.2783	0.2969	0.2958	0.2646	0.2091	0.1900	0.1900
Daily Avg. Liquid Surface Temp. (deg. R):	520.7758	522.8780	527.1306	530.9886	533.8332	536.6411	538.1081	538.0199	535.5578	531.1771	526.2396	521.9471
Daily Average Ambient Temp. (deg. F):	48.7500	52.7500	61.5000	69.6000	75.6000	81.3000	84.4500	84.7000	80.1500	71.0500	60.8500	51.6000
Ideal Gas Constant R (psia cu ft / (lb-mol-deg R)):	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731	10.731
Liquid Bulk Temperature (deg. R):	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150	528.2150
Tank Paint Solar Absorptance (Shell):	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	946.0991	1,200.8670	1,500.6871	1,719.6034	1,871.8930	2,095.2511	2,155.5324	2,008.0018	1,665.3502	1,384.8836	1,050.1637	884.5488
Vapor Space Expansion Factor												
Vapor Space Expansion Factor:	0.0325	0.0360	0.0404	0.0439	0.0456	0.0514	0.0545	0.0537	0.0486	0.0445	0.0368	0.0325
Daily Vapor Temperature Range (deg. R):	19.1194	21.0521	22.1193	22.2973	22.0142	24.0854	25.4523	25.1101	22.8311	22.5040	20.7668	19.1865
Daily Vapor Pressure Range (psia):	0.0000	0.0000	0.0379	0.0873	0.1225	0.1526	0.1613	0.1591	0.1447	0.0904	0.0223	0.0000
Breather Vent Press. Setting Range(psia):	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1900	0.1900	0.1900	0.2067	0.2427	0.2783	0.2969	0.2958	0.2646	0.2091	0.1900	0.1900
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.1900	0.1900	0.1900	0.1900	0.1900	0.2020	0.2163	0.2163	0.1923	0.1900	0.1900	0.1900
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.1900	0.1900	0.2279	0.2773	0.3125	0.3546	0.3776	0.3754	0.3369	0.2804	0.2123	0.1900
Daily Avg. Liquid Surface Temp. (deg R):	520.7758	522.8780	527.1306	530.9886	533.8332	536.6411	538.1081	538.0199	535.5578	531.1771	526.2396	521.9471
Daily Min. Liquid Surface Temp. (deg R):	515.9960	517.6149	521.6008	525.4143	528.3296	530.6198	531.7450	531.7424	529.8500	525.5511	521.0479	517.1505
Daily Max. Liquid Surface Temp. (deg R):	525.5557	528.1410	532.6604	536.5630	539.3367	542.6625	544.4712	544.2975	541.2655	536.8031	531.4313	526.7438
Daily Ambient Temp. Range (deg. R):	20.3000	21.3000	20.8000	19.6000	18.2000	19.6000	21.1000	21.6000	20.7000	22.1000	21.9000	20.8000
Vented Vapor Saturation Factor												
Vented Vapor Saturation Factor:	0.9660	0.9660	0.9660	0.9631	0.9569	0.9509	0.9478	0.9480	0.9532	0.9627	0.9660	0.9660
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1900	0.1900	0.1900	0.2067	0.2427	0.2783	0.2969	0.2958	0.2646	0.2091	0.1900	0.1900
Vapor Space Outage (ft):	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000	3.5000
Working Losses (lb):	8.1429	8.1429	8.1429	8.8589	10.4034	11.9282	12.7247	12.6769	11.3399	8.9612	8.1429	8.1429
Vapor Molecular Weight (lb/lb-mole):	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000	180.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.1900	0.1900	0.1900	0.2067	0.2427	0.2783	0.2969	0.2958	0.2646	0.2091	0.1900	0.1900
Net Throughput (gal/mo.):	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000	10,000.0000
Annual Turnovers:	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000	24.0000
Turnover Factor:	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Tank Diameter (ft):
Working Loss Product Factor:

7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000	7.0000 1.0000
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Total Losses (lb):

10.6973	10.6918	11.2810	12.4130	14.8339	17.4038	19.0793	18.9189	16.2819	12.7231	10.9143	10.6952
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TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: January, February, March, April, May, June, July, August, September, October, November, December

Tank - 1 - Horizontal Tank
Johnson City, Texas

		Losses (lbs)	
Components	Working Loss	Breathing Loss	Total Emissions
DIESEL	117.61	48.33	165.93

Table 11.19.2-2 (English Units). EMISSION FACTORS FOR CRUSHED STONE PROCESSING OPERATIONS (lb/Ton)^a

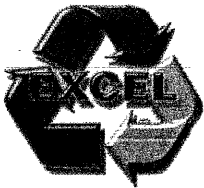
Source ^b	Total Particulate Matter ^{r,s}	EMISSION FACTOR RATING	Total PM-10	EMISSION FACTOR RATING	Total PM-2.5	EMISSION FACTOR RATING
Primary Crushing (SCC 3-05-020-01)	ND		ND ⁿ		ND ⁿ	
Primary Crushing (controlled) (SCC 3-05-020-01)	ND		ND ⁿ		ND ⁿ	
Secondary Crushing (SCC 3-05-020-02)	ND		ND ⁿ		ND ⁿ	
Secondary Crushing (controlled) (SCC 3-05-020-02)	ND		ND ⁿ		ND ⁿ	
Tertiary Crushing (SCC 3-050030-03)	0.0054 ^d	E	0.0024 ^o	C	ND ⁿ	
Tertiary Crushing (controlled) (SCC 3-05-020-03)	0.0012 ^d	E	0.00054 ^p	C	0.00010 ^q	E
Fines Crushing (SCC 3-05-020-05)	0.0390 ^e	E	0.0150 ^e	E	ND	
Fines Crushing (controlled) (SCC 3-05-020-05)	0.0030 ^f	E	0.0012 ^f	E	0.000070 ^q	E
Screening (SCC 3-05-020-02, 03)	0.025 ^e	E	0.0087 ^f	C	ND	
Screening (controlled) (SCC 3-05-020-02, 03)	0.0022 ^d	E	0.00074 ^m	C	0.000050 ^q	E
Fines Screening (SCC 3-05-020-21)	0.30 ^g	E	0.072 ^g	E	ND	
Fines Screening (controlled) (SCC 3-05-020-21)	0.0036 ^g	E	0.0022 ^g	E	ND	
Conveyor Transfer Point (SCC 3-05-020-06)	0.0030 ^h	E	0.00110 ⁿ	D	ND	
Conveyor Transfer Point (controlled) (SCC 3-05-020-06)	0.00014 ⁱ	E	4.6 x 10 ⁻⁵ⁱ	D	1.3 x 10 ^{-3q}	E
Wet Drilling - Unfragmented Stone (SCC 3-05-020-10)	ND		8.0 x 10 ^{-5j}	E	ND	
Truck Unloading - Fragmented Stone (SCC 3-05-020-31)	ND		1.6 x 10 ^{-5j}	E	ND	
Truck Loading - Conveyor, crushed stone (SCC 3-05-020-32)	ND		0.00010 ^k	E	ND	

a. Emission factors represent uncontrolled emissions unless noted. Emission factors in lb/Ton of material of throughput. SCC = Source Classification Code. ND = No data.

b. Controlled sources (with wet suppression) are those that are part of the processing plant that employs current wet suppression technology similar to the study group. The moisture content of the study group without wet suppression systems operating (uncontrolled) ranged from 0.21 to 1.3 percent, and the same facilities operating wet suppression systems (controlled) ranged from 0.55 to 2.88 percent. Due to carry over of the small amount of moisture required, it has been shown that each source, with the exception of crushers, does not need to employ direct water sprays. Although the moisture content was the only variable measured, other process features may have as much influence on emissions from a given source. Visual observations from each source under normal operating conditions are probably the best indicator of which emission factor is most appropriate. Plants that employ substandard control measures as indicated by visual observations should use the uncontrolled factor with an appropriate control efficiency that best reflects the effectiveness of the controls employed.

c. References 1, 3, 7, and 8

d. References 3, 7, and 8

**EXCEL MACHINERY, LTD.***An Employee Owned Company*

P.O. Box 31118 Amarillo, TX 79120-1118
Mineral Wells Site: 2919 Hwy 281 N / 76067
Oklahoma City Site: 8236 West I-40 Service Road, Suite A / 73128

Plant Site Address: 12100 I-40 East / 79118
New Braunfels Site: 1230 Industrial Drive / 78130

Sales Order: 59760**Sales Order Acknowledgement**

Page: 1 of 1

Sold To:

Keith Jackson
Chanas Aggregates Blanco LLC
7850 E State Hwy 29
Llano TX 78643

Ship To:

Chanas Aggregates Blanco LLC
7850 E State Hwy 29
Llano TX 78643

Contact Phone#: 325-247-3444

Order Date: 12/30/2014	PO Number: Verbal	FOB: Customer
Need By: 1/26/2015	Sales Person: Richard G. Wallesch	
Terms: Cash In Advance	Ship Via: Truck PP/ADD	

ALL USED EQUIPMENT SOLD "AS IS" - NO WARRANTY EXPRESSED OR IMPLIED

Line	Part Number/Description	Rev	Order Qty	Unit Price	Ext. Price
1	47335		1.00 EA	165,000.00 /1	165,000.00

Cedarapids 3042 Portable Jaw Crusher, S/N 47335, 1998 Model, 150 HP Toshiba Electric Motor, Cedarapids 42x17 Vibrating Grizzly Feeder with Variable Frequency Drive, Starter Panel, Triple Axle Chassis with 11R22.5 Tires Mounted on 10 Hole Bud Wheels.

Line Total:	165,000.00
Line Miscellaneous Charges:	0.00
Order Miscellaneous Charges:	0.00
Order Total	165,000.00

TERMS: 25% deposit with a Signed Sales Order with Terms & Conditions
Deposit received 12/22/14 (\$41,250.00)
Balance due in 30 days

Thank you very much we appreciate your business.

I have read and understand the Terms & Conditions printed on the following page and fully agree that the provisions constitute a material part of this agreement

DATE: _____
Authorized Signature: (Customer)

DATE: _____
Approved By: EXCEL MACHINERY, LTD.

Purchaser is responsible for all sales/use taxes applicable to this transaction

REMco

Rock Engineered Machinery Company, Inc.
263 S. Vasco Road, Livermore, California 94551 USA
www.remcovs.com

(925) 447-0805
Fax (925) 447-7038
email - rremco@aol.com

To: Chanas Aggregates
7850 East State Highway 29
Llano, TX 76856

Date: October 27, 2014
Proposal No.: 1023-14
No. of Pages: 3

Ref: REMco *Factory Refurbished* MODEL 500 SANDMAX VSI CRUSHER

Attn: Mr. Terry Jackson and Mr. Keith Jackson

We are pleased to quote for your consideration the following rock processing equipment.

ITEM 1 - One (1) *FACTORY REFURBISHED* REMco Model 500 SandMax, Single Drive Vertical Shaft Impact Crusher. Crusher includes the following standard equipment:

- Crusher is all steel, HD fabricated construction
- Circular receiving hopper with feed diverter plate
- Heavy duty cast feed tube assembly
- Two-piece Autogenetic crushing chamber with deep well pockets and gusset protectors
- One (1) **32" 4-port 14"**, Hi-cap., open-sided rotor complete with all wear parts
- Oil lubricated main shaft and bearing cartridge assembly
- One (1) new combination **Oil Lubrication and Hydraulic Pump System**. System is complete with 50 gallon oil tank, oil pump with 2 hp electric motor, oil flow switch, oil temperature gauge in tank, oil filter with bypass valve. Tank is fitted with oil flow return baffles, oil tank breather, level gauge, drain plug and removable lid, oil feed and return lines. Also, including interlock logic for oil flow and low level oil shutdown. Hydraulic pump portion of the system to activate the raise and lower feature of the crusher lid system, includes: 2 hp electric motor, push button control pendant, interlock logic to prevent crusher operation with lid open, flow control valve for lid travel rate, and oil-filled analog pressure gauge and hydraulic hoses. Not including lubricant.
- HD fabricated crusher support frame with four (4) vibration isolation mounts for motor protection and screw jack v-belt tensioning
- **Hydraulically lifted feed hopper assembly with lift cylinder and hydraulic ram**
- **Crusher control pkg. consisting of vibration switch, hour meter, drive guard and lid and safety switches**
- Crusher tools including rotor balancing machine, lifting plate, eye bolt and **two manuals**
- This crusher is for single drive with up to one 500 hp motor (motor listed separately)
- Shipping weight is approximately 34,000 pounds

Price Factory F.O.B.....\$140,000.00

Submitted By:

REMco

Michael Howell
Central Regional Manager
October 27, 2014

Accepted By:

Chanas Aggregates

Title

Date

This quotation is valid for acceptance for 30 calendar days from the date on the quote. Time of performance to shipment commences from receipt of signed quotation and full technical details. All equipment quoted from stock is quoted subject to prior sale. All sales are subject to the terms and conditions on the reverse side of this form. Any and all typographical errors and/or typos are subject to correction.

ITEM 2

One (1) new **Single Drive Assembly** for up to 400 hp motor:

- 1 - 8V - 8 groove crusher sheave with bushing
- 1 - 8V - 8 groove motor sheave with bushing
- 8 - 8V 2000 V-belts

Price\$6,450.00

ITEM 3

One (1) *used, refurbished* **400 hp, 1800 rpm Electric Motor**, Frame No. 586/7 UZ, 460V, 60-cycle. Specially designed for shaft-down operation with one piece body and 4140 alloy steel shaft (installed on crusher)

Price\$9,800.00

ITEM 4

One (1) new **Radiator Air-Type Heat Exchanger** for oil cooling, including hoses and fittings integrated into the REMco circulating oil system. Heat exchanger is complete with thermally-controlled, motor driven fan.

Price\$2,534.00

ITEM 5

One (1) new **Lube System Heater** consisting of heating element, mounted to oil tank or grease cabinet of the standard REMco lubrication system.

Price\$695.00

ITEM 6

Field Service: REMco will provide a factory Field Service Technician to supervise commissioning of the crusher and training of Chanas Aggregates's personnel on the proper operation and maintenance of the crusher. Field service visit includes travel and living costs are provided for REMco's technician.

Price\$3,500.00

Pricing Re-Cap for REMco *Refurbished* Model 500 SandMax:

Item 1	<i>Refurbished</i> Model 500 SandMax VSI Crusher	\$140,000.00
Item 2	Single Drive Assembly	6,450.00
Item 3	<i>Used, Refurbished</i> 400 hp Electric Motor	9,800.00
Item 4	Radiator Air-Type Heat Exchanger	2,534.00
Item 5	Lube System Heater	695.00
Item 6	Field Service Supervision	3,500.00
Crusher Price with Accessories		\$162,979.00
<i>Less Special Package Discount for Items 1 - 6</i>		<i>(\$30,000.00)</i>
Total Crusher Price		\$132,979.00

Prices: The above quoted prices do not include any applicable taxes, fees, delivery freight or installation.

Shipment: The above quoted crusher(s) can be made ready to ship in approximately 2 to 4 weeks, from receipt of down payment with order and complete information, subject to prior to sale.

Terms of Payment: 20% down payment due with order, balance due on notification of readiness to ship.

Warranty: This refurbished REMco crusher carries REMco's new crusher warranty against defects in workmanship or materials for 1 year or 2,000 hours of operation excluding electric motors which carry their own warranty.

Air Quality Standard Permit for Permanent Rock and Concrete Crushers
Effective Date July 31, 2008

This air quality standard permit authorizes rock and concrete crushing facilities that meet all of the conditions listed in sections (1), (2), and (3) of this standard permit. It is the permit holder's responsibility to demonstrate compliance with all conditions of this permit upon request by the executive director or any air pollution control agency having jurisdiction.

(1) General Requirements:

(A) For the purposes of this standard permit, the following definitions apply.

- (i) A site is one or more contiguous or adjacent properties which are under common control of the same person (or persons under common control).
- (ii) Associated sources are sources of air emissions that are related to the rock or concrete crushing operation, that are not "facilities" as defined under Title 30 Texas Administrative Code (30 TAC) § 116.10, General Definitions. Associated sources include, but are not limited to, stockpiles and outdoor work areas. Screens, belt conveyors, generator sets, and material storage or feed bins are considered to be facilities and are not associated sources.
- (iii) A residence is a structure primarily used as a permanent dwelling.

(B) Except as provided in subsections (C) and (D) of this section, when crushing concrete, the concrete crushing facility shall be operated at least 440 yards from any building which was in use as a single or multi-family residence, school, or place of worship at the time an application was filed. The measurement of distance shall be taken from the point on the concrete crushing facility that is nearest to the residence, school, or place of worship toward the point on the building in use as a residence, school, or place of worship that is nearest the concrete crushing facility.

(C) Subsection (B) does not apply to:

- (i) a concrete crushing facility at a location for which the distance requirements of subsection (B) were satisfied at the time an application was filed with the commission, provided that the authorization was granted and maintained, regardless of whether a single or multi-family residence, school, or place of worship is subsequently built or put to use within 440 yards of the facility; or
- (ii) structures occupied or used solely by the owner of the facility or the owner of the property upon which the facility is located.

(D) Subsection (B) does not apply to a concrete crushing facility that:

- (i) is engaged in crushing concrete and other materials resulting from the demolition of a structure on that site and the concrete and other materials are being crushed primarily for use at that site;
- (ii) operates at that site during one period of no more than 180 calendar days;

- (iii) complies with all applicable conditions stated in commission rules, including operating conditions; and
 - (iv) is not located in a county with a population of 2.4 million or more persons, or in a county adjacent to such a county.
- (E) For any owner or operator with a facility authorized by this standard permit, the TCEQ will not accept an application for authorization of a crushing facility under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, located at the same site for a period of 12 months from the date of authorization.
- (F) An applicant for authorization of a rock crusher under THSC § 382.0518, is not eligible for this standard permit at the same site until 12 months after the application for authorization under § 382.0518 is withdrawn. Facilities already authorized by a permit under § 382.0518 are not eligible for this standard permit.
- (G) Applications for this standard permit shall be registered in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit (including a current Form PI-1S, Crushing Plant Standard Permit Checklist and Table 17). A compliance history review shall be performed by the executive director in accordance with 30 TAC Chapter 60, Compliance History. If a facility is determined to be a poor performer, as defined in 30 TAC Chapter 60, a standard permit registration shall not be issued.
- (H) No owner or operator of a crushing facility shall begin construction and/or operation without obtaining written approval from the executive director (except for crushers in non operational storage for which construction has not commenced as considered under the Texas Clean Air Act). Start of construction of any facility registered under this standard permit shall be no later than 18 months from the date of authorization. Construction progress and startup notification shall be made in accordance with 30 TAC § 116.115(b)(2), General and Special Conditions.
- (I) Applications for registration under this standard permit shall comply with 30 TAC § 116.614, Standard Permit Fees.
- (J) All affected facilities authorized by this standard permit must meet all applicable conditions of Title 40 Code of Federal Regulations (40 CFR) Part 60, Subpart A, General Provisions, and OOO, Standards of Performance for Nonmetallic Mineral Processing Plants.
- (K) Only crushing facilities that are processing nonmetallic minerals or a combination of nonmetallic minerals that are described in 40 (CFR) Part 60, Subpart OOO, shall be authorized by this standard permit.
- (L) This standard permit does not supersede the requirements of any other commission rule, including 30 TAC Chapter 101, Subchapter H, Division 3, Mass Emissions Cap and Trade Program; and 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds.
- (M) Written records shall be kept for a rolling 24-month period and shall always remain on site. These records shall be made available at the request of any personnel from the TCEQ or any air pollution control program having jurisdiction. These written records shall contain the following:

- (i) daily hours of operation;
 - (ii) the throughput per hour;
 - (iii) road and work area cleaning and dust suppression logs; and
 - (iv) stockpile dust suppression logs.
- (N) Crushing operations and related activities shall comply with applicable requirements of 30 TAC Chapter 101, Subchapter F, Emission Events and Scheduled Maintenance, Startup, and Shutdown Activities.
- (O) Facilities which meet the conditions of this standard permit do not have to meet the emissions and distance limitations listed in 30 TAC § 116.610(a)(1), Applicability.
- (P) Maintenance emissions are not included in this permit and must be approved under separate authorization. Startup and shutdown emissions that exceed those expected during production operations must be approved under separate authorization.
- (Q) Owners or operators of facilities authorized by this standard permit are not eligible for any authorization in 30 TAC Chapter 106, Subchapter E, Aggregate and Pavement or 30 TAC § 106.512, Stationary Engines and Turbines, for a facility located at the same site as a rock crusher authorized by this standard permit.
- (R) Upon issuance of this standard permit, the TCEQ will no longer accept a registration for § 106.142, Rock Crushers.
- (2) Public Notice Requirements:
- (A) An application for authorization to construct and operate a rock crusher under this standard permit is not subject to the public notice requirements in 30 TAC Chapter 39 Subchapter H, Applicability and General Provisions, and Subchapter K, Public Notice of Air Quality Applications.
- (B) For authorization to use this standard permit, an applicant must publish notice under this section not later than the earlier of:
- (i) the 30th day after the date the applicant receives written notice from the executive director that the application is technically complete; or
 - (ii) the 75th day after the date the executive director receives the application.
- (C) The applicant must publish notice at least once in a newspaper of general circulation in the municipality in which the plant is proposed to be located or in the municipality nearest to the proposed location of the crusher. If the elementary or middle school nearest to the proposed plant provides a bilingual education program as required by Subchapter B, Chapter 29, Texas Education Code, the applicant must also publish the notice at least once in an additional publication of general circulation in the municipality or county in which the plant is proposed to be located that is published in the language taught in the bilingual education program. This requirement is waived if such a publication does not exist or if the publisher refuses to publish the notice.

- (D) The notice must include:
- (i) a brief description of the proposed location and nature of the proposed crusher;
 - (ii) a description, including a telephone number, of the manner in which the executive director may be contacted for further information;
 - (iii) a description, including a telephone number, of the manner in which the applicant may be contacted for further information;
 - (iv) the location and hours of operation of the commission's regional office at which a copy of the application is available for review and copying; and
 - (v) a brief description of the public comment process, including the mailing address and deadline for filing written comments.
- (E) At the applicant's expense, a sign or signs shall be placed at the site of the proposed facility declaring the filing of an application for a permit and stating the manner in which the commission may be contacted for further information. Such signs shall be provided by the applicant and shall meet the following requirements:
- (i) signs shall consist of dark lettering on a white background and shall be no smaller than 18 inches by 28 inches;
 - (ii) signs shall be headed by the words "PROPOSED AIR QUALITY PERMIT" in no less than two-inch boldface block-printed capital lettering;
 - (iii) signs shall include the words "APPLICATION NUMBER" and the number of the permit application in no less than one-inch boldface block-printed capital lettering (more than one number may be included on the signs if the respective public comment periods coincide);
 - (iv) signs shall include the words "for further information contact" in no less than 1/2-inch lettering;
 - (v) signs shall include the words "Texas Commission on Environmental Quality," and the address of the appropriate commission regional office in no less than one-inch boldface capital lettering and 3/4-inch boldface lower case lettering; and
 - (vi) signs shall include the phone number of the appropriate commission office in no less than two-inch boldface numbers.
- (F) The sign or signs must be in place by the date of publication of the newspaper notice required by subsection (2)(C) of this section and must remain in place and legible throughout the period of public comment provided for in subsection (2)(I) of this section.
- (G) Each sign placed at the site must be located within ten feet (ft.) of each (every) property line paralleling a street or other public thoroughfare. Signs must be completely visible from the street and spaced at not more than 1,500-ft. intervals. A minimum of one sign, but no more than three signs shall be required along any property line paralleling a public thoroughfare.

The commission may approve variations from these requirements if it is determined that alternative sign posting plans proposed by the applicant are more effective in providing notice to the public.

- (H) The alternate language sign posting requirements of this subsection are applicable whenever either the elementary school or the middle school located nearest to the facility or proposed facility provides a bilingual education program as required by Texas Education Code, Chapter 29, Subchapter B, and 19 TAC § 89.1205(a) or if either school has waived out of such a required bilingual education program under the provisions of 19 TAC § 89.1205(g). Schools not governed by the provisions of 19 TAC § 89.1205(a) shall not be considered in determining applicability of the requirements of this subsection. Each affected facility shall meet the following requirements.
 - (i) The applicant shall post an additional sign in each alternate language in which the bilingual education program is taught. If the nearest elementary or middle school has waived out of the requirements of 19 TAC § 89.1205(a) under 19 TAC § 89.1205(g), the alternate language signs shall be published in the alternate languages in which the bilingual education program would have been taught had the school not waived out of the bilingual education program.
 - (ii) The alternate language signs shall be posted adjacent to each English language sign required in this section.
 - (iii) The alternate language sign posting requirements of this subsection shall be satisfied without regard to whether alternate language notice is required under subsection (C) of this section.
 - (iv) The alternate language signs shall meet all other requirements of this section.
- (I) The public comment period begins on the first date notice is published under subsection (2)(B) and extends no less than 30 days from the publication date.
- (J) Not later than the 30th day after the end of the public comment period, the executive director will approve or deny the application for authorization to use the standard permit. The executive director must base the decision on whether the application meets the requirements of this standard permit. The executive director must consider all comments received during the public comment period in determining whether to approve the application. If the executive director denies the application, the executive director must state the reasons for the denial and any modifications to the application necessary for the proposed plant to qualify for the authorization.
- (K) The executive director will issue a written response to any public comments received related to the issuance of an authorization to use the standard permit at the same time as or as soon as practicable after the executive director grants or denies the application. Issuance of the response after the granting or denial of the application does not affect the validity of the executive director's decision to grant or deny the application. The executive director will:
 - (i) mail the response to each person who filed a comment; and
 - (ii) make the response available to the public.

(3) Operational Requirements:

- (A) The primary crusher throughput shall not exceed 200 tons per hour.
- (B) The crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, shall be located no less than 200 ft. from the nearest property line, as measured from the point on the facility nearest the property line.
- (C) The crusher and all associated facilities, including engines and/or generator sets, but not including associated sources, shall be located no less than 440 yards from any building which was in use as a single or multi-family residence, school, or place of worship, at the time an application was filed, as measured from the point on the facility nearest the residence, school, or place of worship to the point on the residence, school, or place of worship nearest the facility.
- (D) The crushing facilities (not including associated sources) operating under this standard permit shall be located at least 550 ft. from any other rock crusher, concrete crusher, concrete batch plant, or hot mix asphalt plant. If this distance cannot be met, then the crusher shall not operate at the same time as the other rock crusher, concrete crusher, concrete batch plant, or hot mix asphalt plant. Measurement shall be from the closest point on the rock crushing facility to the closest point on any other facility.
- (E) All associated sources, including but not limited to, roads (except for incidental traffic and the entrance and exit to the site), work areas, and stockpiles, shall be located at least 100 ft. from the property line.
- (F) The facilities (as defined in 30 TAC § 116.10(4)) authorized under this standard permit shall be limited to one primary crusher, one secondary crusher, one vibrating grizzly, two screens, any conveyors, and one internal combustion engine (or combination of engines) of no more than 1,000 total horsepower. Equipment that is not a source of emissions does not require authorization.
- (G) All crushers, associated facilities, and associated sources (excluding stockpiles) shall not operate for more than an aggregate of 2,640 hours at the authorized site in any rolling 12 month period. Once the operating hours (2,640 hours) for the site have been exhausted, the owner or operator shall not use a standard permit to operate another rock crusher on the site.
- (H) The rock crusher and associated facilities shall not operate from one hour after official sunset to one hour before official sunrise.
- (I) Each crusher shall be equipped with a runtime meter, which will be operating during crushing during crushing operations.
- (J) Permanently mounted spray bars shall be installed at the inlet and outlet of all crushers, at all shaker screens, and at all material transfer points and used as necessary to maintain compliance with all TCEQ rules and regulations.
- (K) Opacity of emissions from any transfer point on belt conveyors or any screen shall not exceed 10 percent and from any crusher shall not exceed 15 percent, averaged over a six-minute period, and according to U.S. Environmental Protection Agency (EPA) Test Method (TM) 9.

- (L) Visible emissions from the crusher, associated facilities, associated sources, and in-plant roads associated with the plant shall not leave the property for a period exceeding 30 seconds in duration in any six-minute period as determined using EPA TM 22.
- (M) Dust emissions from all in-plant roads and active work areas that are associated with the operation of the crusher, associated facilities, and associated sources shall be minimized at all times by at least one of the following methods:
 - (i) covered with a material such as, but not limited to, roofing shingles or tire chips (when used in combination with (ii) or (iii) of this subsection);
 - (ii) treated with dust-suppressant chemicals;
 - (iii) watered; or
 - (iv) paved with a cohesive hard surface that is maintained intact and cleaned.
- (N) All stockpiles shall be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions.
- (O) Raw material and product stockpile heights shall not exceed 45 ft.
- (P) The crusher shall be equipped with a weigh hopper or scale belt to accurately determine the mass of material being crushed.
- (Q) The crusher may relocate on the site for which it has been authorized without reauthorization as long as it remains at least 440 yards from any residence, school, or place of worship that was in existence at the time of the move.