

From: [Rosa Mora-Nichols](#)
To: [Joe Nicosia](#)
Subject: New Project Assignment - Currently in Initial Review Process
Date: Wednesday, August 28, 2024 5:46:31 PM

177334_378865 is located at Z:*Mechanical-Coatings*\Team Leader. Please assign a reviewer and move the project folder to Z:*Mechanical-Coatings*\Assigned Reviewer's Folder.

Thank you!

From: [Johnny Bowers](#)
To: [Ariel Vargas](#); [Miguel Gallegos](#); [Rosa Mora-Nichols](#); [Sheila Monroe](#); [Steven Piper](#); [Richard Suniga](#); [Carolyn Thomas](#)
Subject: Please process ePermits projects. Thanks!
Date: Monday, August 26, 2024 8:55:26 AM

Steven	378869
Miguel	378866
Rosa	378865
Carolyn	378863
Sheila	378852
Ariel	378839
Richard	378829

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?	PORTABLE ROCK CRUSHING PLANT 1 SCM 001
Does the site have a physical address?	Yes
Physical Address	
Number and Street	2251 SILVER CREEK RD
City	FORT WORTH
State	TX
ZIP	76108
County	TARRANT
Latitude (N) (##.#####)	32.778611
Longitude (W) (-###.#####)	-97.511111
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	212312
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN107669525
What is the name of the Regulated Entity (RE)?	PORTABLE ROCK CRUSHING PLANT 1 SCM 001
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	FROM INTERX OF WHITE SETTLEMENT RD & CHAPEL CREEK BLVD GO W ON WHITE SETTLEMENT RD FOR 1.3 MI & TURN R INTO DRIVE W BRICK SIGN READING US ARMY RESERVE CENTER & FOLLOW UNNAMED ROAD TO SITE ENTRANCE
City	FORT WORTH
State	TX
ZIP	76108
County	TARRANT
Latitude (N) (##.#####)	32.778611
Longitude (W) (-###.#####)	-97.511111
Facility NAICS Code	212312
What is the primary business of this entity?	CRUSHING OF ROCK TO PRODUCE BASE MATERIAL

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN604656777
Type of Customer	Partnership
Full legal name of the applicant:	
Legal Name	Silver Creek Aggregates, LP
Texas SOS Filing Number	801956066

Federal Tax ID	
State Franchise Tax ID	32053533967
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Silver Creek Aggregates, LP
Prefix	MS
First	Shannon
Middle	
Last	Kingery
Suffix	
Credentials	
Title	Compliance Officer
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 150665
Routing (such as Mail Code, Dept., or Attn:)	
City	FORT WORTH
State	TX
ZIP	76108
Phone (###-###-####)	6827034972
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	skingery@silvercreekmaterials.com

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	CN604656777, Silver Creek Aggregates, LP
Organization Name	Silver Creek Aggregates, LP
Prefix	MS
First	Shannon
Middle	
Last	Kingery
Suffix	
Credentials	
Title	Compliance Officer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic

Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 150665
Routing (such as Mail Code, Dept., or Attn:)	
City	FORT WORTH
State	TX
ZIP	76108
Phone (###-###-####)	6827034972
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	skingery@silvercreekmaterials.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	CN604656777, Silver Creek Aggregates, LP
Organization Name	Silver Creek Aggregates, LP
Prefix	MS
First	Shannon
Middle	
Last	Kingery
Suffix	
Credentials	
Title	Compliance Officer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 150665
Routing (such as Mail Code, Dept., or Attn:)	
City	FORT WORTH
State	TX
ZIP	76108
Phone (###-###-####)	6827034972
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	skingery@silvercreekmaterials.com

Standard Permit General Information- New Reg Sites

1) Is this facility permanent or temporary?	Permanent
2) Will the proposed facility meet all of the requirements of the standard permit?	Yes
3) Select the type of unit that is being registered:	PERMANENT ROCK AND CONCRETE CRUSHERS
3.1. Select the rule associated to the unit specified.	6013

Standard Permit Attachments

1) Please attach all required documents including PI-1S, Table 17, Process Description, Process Flow Diagram, Standard Permit Checklist, Rock Crusher Checklist, and the Site Map.

[File Properties]

File Name	Rock Crusher SP Application-Final.pdf
Hash	9D255FEFA98C6ADEA9E55BEC61431B052CF969699B6E7D619A6BA89CBA88BEAF
MIME-Type	application/pdf
Confidential	No

2) Please attach any other necessary information needed to complete the registration.

Expedite

1) Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application?	No
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Certification

The electronic signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Officials knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete. If you questions on how to fill out this form or about air quality permits. Please call (512) 239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms.

1. I am Shannon Kingery, the owner of the STEERS account ER105040.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Standard Permit New Registration.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEC

OWNER OPERATOR Signature: Shannon Kingery OWNER OPERATOR

Account Number:	ER105040
Signature IP Address:	12.237.12.2
Signature Date:	2024-08-23
Signature Hash:	5D6B4A8AC4C5CFDDCD94D26E5F00D7A4E14CEE874E2415888D09498A1661CC09
Form Hash Code at time of Signature:	0DC254B47179588415D25948266724952F6CFB07077AC6CCC1AE9B76E055E824

Fee Payment

Transaction by:	The application fee payment transaction was made by ER105040/Shannon Kingery
Paid by:	The application fee was paid by SHANNON KINGERY
Fee Amount:	\$900.00
Paid Date:	The application fee was paid on 2024-08-23
Transaction/Voucher number:	The transaction number is 582EA000622878 and the voucher number is 718631

Submission

Reference Number:	The application reference number is 667566
Submitted by:	The application was submitted by ER105040/Shannon Kingery
Submitted Timestamp:	The application was submitted on 2024-08-23 at 14:09:30 CDT
Submitted From:	The application was submitted from IP address 12.237.12.2
Confirmation Number:	The confirmation number is 559353
Steers Version:	The STEERS version is 6.81

Additional Information

Application Creator:	This account was created by Cydney B Schwarzlose
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Air Quality Standard Permit

Permanent Rock Crusher

PORTABLE ROCK CRUSHING PLANT 1 SCM 001

Silver Creek Aggregates, LP

PO BOX 150665
Fort Worth, Texas 76108
RN107669525
CN604656777

August 2024



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Section 1

Site Description and Project Information

Silver Creek Aggregates, LP (Silver Creek) owns and operates a Rock Crusher, Portable Rock Crushing Plant 1 SCM 001 in Fort Worth, Tarrant County, Texas. The Portable Rock Crusher is subject to permitting requirements of the Texas Commission on Environmental Quality (TCEQ) and is authorized by Standard Permit Registration No. 122729; the facility is not subject to the requirements of the Operating Permits Program (i.e., Title V).

Silver Creek is authorizing a replacement of the existing permanent portable rock crusher at the site to support site operations via the Air Quality Standard Permit for Rock Crushers. This Standard Permit registration package demonstrates that the emissions from the rock crusher facility will comply with the requirements of the Air Quality Standard Permit for Rock Crushers and is similar in size, throughput, and emission characteristics to the previous rock crusher that was located on site.

Silver Creek will keep records of the to demonstrate compliance with the Standard Permit requirements and NSPS IIII.

Section 2

Standard Permit Registration Fee

As required by 30 TAC§116.614, Silver Creek is submitting the required Standard Permit registration fee of \$900 for this project via STEERS/ePermits.

Section 3

TCEQ Form PI-1S and Standard Permit Checklist

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

I. Registrant Information
A. Company or Other Legal Customer Name:
Silver Creek Aggregates, LP
B. Company Official Contact Information (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Shannon Kingery
Title: Compliance Director
Mailing Address: PO Box 150665
City: Fort Worth
State: Texas
ZIP Code: 76108
Telephone No.: (682) 703-4972
Fax No.: N/A
Email Address: skingery@silvercreekmaterials.com
<i>All permit correspondence will be sent via email.</i>
C. Technical Contact Information (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Cydney Schwarzlose
Title: Senior Project Manager
Company Name: BGE, Inc
Mailing Address: 1701 Directors Blvd, Suite 1000
City: Austin
State: Texas
ZIP Code: 78744
Telephone No.: 512-810-8314
Fax No.: N/A
Email Address: cschwarzlose@bgeinc.com
II. Facility and Site Information
A. Name and Type of Facility
Facility Name: Portable Crusher (SCM-002)
Type of Facility: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary

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

II. Facility and Site Information (<i>continued</i>)
For portable units, please provide the serial number of the equipment being authorized below.
Serial No(s): NGH03292
B. Facility Location Information
Street Address: 2251 Silver Creek Rd
If there is no street address, provide written driving directions to the site and provide the closest city or town, county, and ZIP code for the site (attach description if additional space is needed).
City: Fort Worth
County: Tarrant
ZIP Code: 76108
C. Core Data Form (required for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Customer Reference Number (CN): CN604656777
Regulated Entity Number (RN): RN107669525
D. TCEQ Account Identification Number (if known): N/A
E. Type of Action
<input type="checkbox"/> Initial Application <input checked="" type="checkbox"/> Change to Registration <input type="checkbox"/> Renewal <input type="checkbox"/> Renewal Certification
For Change to Registration, Renewal, or Renewal Certification actions provide the following:
Registration Number: 122729
Expiration Date: 11/13/2023
F. Standard Permit Claimed: 6013- Standard Permit for Rock Crushers
G. Previous Standard Exemption or PBR Registration Number:
Is this authorization for a change to an existing facility previously authorized under a standard exemption or PBR? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If "Yes," enter previous standard exemption number(s) and PBR registration number(s) and associated effective date in the spaces provided below.

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

II. Facility and Site Information (<i>continued</i>)
H. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit
Are there any other facilities at this site that are authorized by an Air Standard Exemption, PBR, or Standard Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If "Yes," enter standard exemption number(s), PBR registration number(s), and Standard Permit registration number(s), and associated effective date in the spaces provided below.
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s) and Effective Date(s)
I. Other Air Preconstruction Permits
Are there any other air preconstruction permits at this site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If "Yes," enter permit number(s) in the spaces provided below.
J. Affected Air Preconstruction Permits
Does the standard permit directly affect any permitted facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If "Yes," enter permit number(s) in the spaces provided below.
K. Federal Operating Permit (FOP) Requirements
Is this facility located at a site that is required to obtain a FOP pursuant to 30 TAC Chapter 122? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> To Be Determined
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (<i>check all that apply</i>).
<input type="checkbox"/> Initial Application for a FOP <input type="checkbox"/> Significant Revision for a SOP <input type="checkbox"/> Minor Revision for a SOP
<input type="checkbox"/> Operational Flexibility/Off Permit Notification for a SOP <input type="checkbox"/> Revision for a GOP
<input type="checkbox"/> To be Determined <input checked="" type="checkbox"/> None
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. (<i>check all that apply</i>)
<input type="checkbox"/> SOP <input type="checkbox"/> GOP <input type="checkbox"/> GOP application/revision (submitted or under APD review) <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> SOP application/revision (submitted or under APD review)

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

III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: \$900
B. Voucher number from ePay:
IV. Public Notice (if applicable)
A. Responsible Person (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Shannon Kingery
Title: Compliance Officer
Company: Silver Creek Materials
Mailing Address: PO Box 150665
City: Fort Worth
State: Texas
ZIP Code: 76108
Telephone No.: (682) 703-4972
Fax No.: N/A
Email Address: skingery@silvercreekmaterials.com
B. Technical Contact (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Shannon Kingery
Title: Compliance Director
Company: Silver Creek Materials
Mailing Address: PO Box 150665
City: Fort Worth
State: Texas
ZIP Code: 76108
Telephone No.: 682-703-4972
Fax No.: N/A
Email Address: skingery@silvercreekmaterials.com
C. Bilingual Notice
Is a bilingual program required by the Texas Education Code in the School District? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

IV. Public Notice (<i>continued</i>) (if applicable) (continued)	
If "Yes," list which language(s) are required by the bilingual program below?	
Spanish	
D. Small Business Classification and Alternate Public Notice	
Does this company (including parent companies and subsidiary companies) have fewer than 100 employees or less than \$6 million in annual gross receipts?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of any individual regulated air contaminant equal to or greater than 50 tpy?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the site emissions of all regulated air contaminant combined equal to or greater than 75 tpy?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
V. Renewal Certification Option	
A. Does the permitted facility emit an air contaminant on the Air Pollutant Watch List, and is the permitted facility located in an area on the watch list?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
B. For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C. Does the company and/or site have an unsatisfactory compliance history?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
D. Are there any applications currently under review for this standard permit registration?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
E. Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
F. Are any of the following actions being requested at the time of renewal:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1. Are there any facilities that have been permanently shutdown that are proposed to be removed from the standard permit registration?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2. Do changes need to be made to the standard permit registration in order to remain in compliance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. Are sources or facilities that have always been present and represented, but never identified in the standard permit registration, proposed to be included with this renewal?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Are there any changes to the current emission rates table being proposed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>Note: If answers to all of the questions in Section V. Renewal Certification Option are "No," use the certification option and skip to Section VII. of this form. If the answers to any of the questions in Section V. Renewal Certification Option are "Yes," the certification option cannot be used.</i>	
<i>*If notice is applicable and comments are received in response to the public notice, the application does not qualify for the renewal certification option.</i>	

Form PI-1S
Registrations for Air Standard Permit
(Page 6)
Texas Commission on Environmental Quality

VI. Technical Information Including State and Federal Regulatory Requirements
<p>Place a check next to the appropriate box to indicate what you have included in your submittal. <i>Note: Any technical or essential information needed to confirm that facilities are meeting the requirements of the standard permit must be provided. Not providing key information could result in an automatic deficiency and voiding of the project.</i></p>
<p>A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)</p>
<p>Did you demonstrate that the general requirements in 30 TAC Sections 116.610 and 116.615 are met? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Did you demonstrate that the individual requirements of the specific standard permit are met? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>B. Confidential Information (All pages properly marked "CONFIDENTIAL"). <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>C. Process Flow Diagram. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>D. Process Description. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>E. Maximum Emissions Data and Calculations. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>F. Plot Plan. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>G. Projected Start Of Construction Date, Start Of Operation Date, and Length of Time at Site: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Projected Start of Construction (provide date): September 27, 2024</p>
<p>Projected Start of Operation (provide date): September 27, 2024</p>
<p>Length of Time at the Site: Permanent</p>
VII. Delinquent Fees and Penalties
<p>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 are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ website at: www.tceq.texas.gov/agency/financial/fees/delin/index.html.</p>

Form PI-1S
Registrations for Air Standard Permit
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VIII. Signature Requirements

The signature below confirms that I have knowledge of the facts included in this application and that these facts 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; the Texas Health and Safety Code, Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name (printed): Shannon Kingery

Signature (original signature required): SIGNED IN STEERS

IX. Copies of the Registration

The PI-1S application must be submitted through ePermits. No additional copies need to be sent to the Regional Office or local Air Pollution Control Program(s). The link to ePermits can be found here:

www3.tceq.texas.gov/steers/.



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)	<p>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?</p> <p>(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.)</p>
(1)(C)(ii)	<p>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?</p>
(1)(D)	<p>In lieu of meeting the distance requirements in (1)(B), will all the following occur:</p>
(1)(D)(i)	<p>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?</p>
(1)(D)(ii)	<p>Will this plant operate onsite for one period of 180 calendar days or less?</p>
(1)(D)(iii)	<p>Will all applicable conditions stated in commission rules, including operating conditions be met?</p>
(1)(D)(iv)	<p>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?</p>
(1)(E)	<p>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?</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		
CONDITION NUMBER AND DESCRIPTION (<i>continued</i>)		
(1)(F)	<p>Is there a rock crusher (or concrete crusher) authorized under Texas Health and Safety Code (THSC) § 382.0518, Preconstruction Permit, at this site?</p> <p>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?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(G)	<p>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?</p> <p>Is the company's compliance history rating poor?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(H)	<p>Has construction and/or operation begun on the facility?</p> <p>Is there a non operational crusher stored onsite?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(I)	<p>In accordance with 30 TAC § 116.614, Standard Permit Fees, was a \$900 fee sent to TCEQ Revenue Section?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(J)	<p>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?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(K)	<p>Will these crushing facilities only process nonmetallic minerals or a combination of nonmetallic minerals as described in 40 CFR Part 60, Subpart OOO?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(L)	<p>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?</p>	<p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(1)(M)	<p>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?</p> <p>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?</p>	<p><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p> <p><input checked="" type="checkbox"/> YES <input 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		
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 type="checkbox"/> NO <input checked="" type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" 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 type="checkbox"/> YES <input checked="" 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 type="checkbox"/> YES <input checked="" 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



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="text-align: right;"> <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A </p> <p>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 style="text-align: right;"> <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 style="text-align: right;"> <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>(Equipment that is not a source of emissions does not require authorization.)</p> <p style="text-align: right;"> <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 style="text-align: right;"> <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 style="text-align: right;"> <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 style="text-align: right;"> <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 style="text-align: right;"> <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="text-align: right;"> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A </p> <p>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 style="text-align: right;"> <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 style="text-align: right;"> <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

Section 4

Emission Calculations and Project Increases

This section presents a discussion of the bases for the air emission calculations associated with this Standard Permit registration package authorizing the Rock Crusher. The TCEQ Rock Crushing Facility Emission Rate Calculation Worksheet and supporting emission calculations are included at the end of this section.

The engine for the rock crusher is electric. The engine will be powered by a generator that will fire only diesel as fuel. Emissions factors for NO_x, VOC, CO, and PM are based on 40 CFR 1039, Subpart B Tier 4 "nonroad" emissions specification. PM₁₀ and PM_{2.5} are assumed to be equal to total PM. The emission factor for SO₂ is from AP-42 Table 3.3-1.

The rock crusher maximum hourly emissions are calculated using vendor specifications for the Eagle Crusher ULTRAMAX 1200-CC Closed Circuit Portable Impactor Plant the standard permit maximum throughput of 200 tons/hr., and maximum annual throughput of 528,000 tons/hr.

Summary of Engine Emissions

EPN	Compound	Hourly Emissions (lb/hr)	Annual Emissions (tpy)
ENGINE1	NO _x	0.28	0.37
	CO	2.45	3.23
	VOC	0.13	0.17
	SO ₂	0.87	1.15
	PM	0.01	0.01
	PM ₁₀	0.01	0.01
	PM 2.5	0.01	0.01

Summary of Rock Crusher Emissions

EPN (Source)	Pollutant	lb./hr.	ton/yr.
Crusher #1 (Primary)	PM	0.042	0.055
	PM10	0.020	0.026
	PM2.5	0.003	0.004
#1 (Screens)	PM	0.440	0.581
	PM10	0.148	0.195
	PM2.5	0.010	0.013
Stockpiles	PM	-	5.782
	PM10	-	2.891
	PM2.5	-	0.438

Rock Crusher Emission Calculations

Directions: Please enter your data in the beige cells. Emission factors and control factors are listed on separate pages of this spreadsheet.

Operating Schedule:	10 hr/day	6 day/week	52 week/year	2640 hr/year
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Table 1: Crushing Capacity	Primary	Secondary	Secondary	Tertiary	Tertiary	Fines	Fines
Emission Factor Source	Primary Crushing (Jaw) - Wet1	Secondary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet	Tertiary Crushing (All) - Wet
EPN Number	Crusher #1	Crusher #2					
Hourly throughput (tons/hr)	200	200					
Annual throughput (tons/yr)	528,000	528,000					
Emission Factor, PM (Table A)	0.00021	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
Emission Factor, PM10 (Table A)	0.0001	0.00054	0.00054	0.00054	0.00054	0.00054	0.00054
Emission Factor, PM2.5 (Table A)	0.000015	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Control Factor (Table B)	1	1					
PM emissions (lb/hr)	0.0420	0.2400	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.0200	0.1080	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0030	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.0554	0.3168	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.0264	0.1426	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0040	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000

Note: Use Primary Crushing (Jaw) emission factor for jaw crushers only.

All other types of crushers are considered either "Secondary" or "Tertiary."

You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 2: Screening	Screen #1	Screen #2	Screen #3	Screen #4	Screen #5	Screen #6	Screen #7
Emission Factor Source	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet	Screening (All) - Wet
EPN Number	Screen						
Hourly throughput (tons/hr)	200						
Annual throughput (tons/yr)	528,000						
Emission Factor, PM (Table A)	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Emission Factor, PM10 (Table A)	0.00074	0.00074	0.00074	0.00074	0.00074	0.00074	0.00074
Emission Factor, PM2.5 (Table A)	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00
Control Factor, CF (Table B)	1						
PM emissions (lb/hr)	0.4400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (lb/hr)	0.1480	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM emissions (ton/yr)	0.5808	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM10 emissions (ton/yr)	0.1954	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 3: Truck Loading/Unloading Emissions	Unloading	Loading
EPN Number		
Hourly throughput (tons/hr)		
Annual throughput (tons/yr)		
Emission Factor, PM (Table A)	0.000034	0.00021
Emission Factor, PM10 (Table A)	0.000016	0.0001
Emission Factor, PM2.5 (Table A)	0.000002	0.000015
Control Factor, CF (Table B)		
PM emissions (lb/hr)	0.0000	0.0000
PM10 emissions (lb/hr)	0.0000	0.0000
PM2.5 emissions (lb/hr)	0.0000	0.0000
PM emissions (ton/yr)	0.0000	0.0000
PM10 emissions (ton/yr)	0.0000	0.0000
PM2.5 emissions (ton/yr)	0.0000	0.0000

Note: Drops on and off of crushers are accounted for in the crusher emission factors.

Drops onto vibrating screens are accounted for in the screen emission factors.

The first drops off vibrating screens are NOT accounted for and must be included.

Type of Material: Sand, Washed Sand (WS), Aggregate, Washed Aggregate (WA)

Control Method: Wet Material, Water spray, Enclosure, Suction, etc.

Table 4: Drop Point Emissions	Drop #1		Drop #2		Drop #3		Drop #4		Drop #5		Drop #6		Drop #7	
Emission Factor Source	Conveyor Transfer - Wet		Conveyor Transfer - Wet		Conveyor Transfer - Dry		Conveyor Transfer - Wet		Conveyor Transfer - Wet		Conveyor Transfer - Wet		Conveyor Transfer - Wet	
EPN Number														
Hourly throughput (ton/hr)														
Annual throughput (ton/yr)														
Number of like transfer points														
Emission Factor, PM (Table A)	0.00014		0.00014		0.003		0.00014		0.00014		0.00014		0.00014	
Emission Factor, PM10 (Table A)	0.000046		0.000046		0.0011		0.000046		0.000046		0.000046		0.000046	
Emission Factor, PM2.5 (Table A)	0.000013		0.000013		0.00017		0.000013		0.000013		0.000013		0.000013	
Control Factor (Table B)														
PM emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM10 emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM2.5 emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM10 emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM2.5 emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Drop Point Emissions continued	Drop #8		Drop #9		Drop #10		Drop #11		Drop #12		Drop #13	
Emission Factor Source	Conveyor Transfer - Wet		Conveyor Transfer - Dry		Conveyor Transfer - Wet		Conveyor Transfer - Wet		Conveyor Transfer - Wet		Conveyor Transfer - Wet	
EPN Number												
Hourly throughput (ton/hr)												
Annual throughput (ton/yr)												
Number of like transfer points												
Emission Factor, PM (Table A)	0.00014		0.00014		0.003		0.00014		0.00014		0.00014	
Emission Factor, PM10 (Table A)	0.000046		0.0011		0.000046		0.000046		0.000046		0.000046	
Emission Factor, PM2.5 (Table A)	0.000013		0.00017		0.000013		0.000013		0.000013		0.000013	
Control Factor (Table B)												
PM emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM10 emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM2.5 emissions (lb/hr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM10 emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
PM2.5 emissions (ton/yr)	0.0000		0.0000		0.0000		0.0000		0.0000		0.0000	
											TOTAL	
											0.0000	
											0.0000	
											0.0000	
											0.0000	
											0.0000	
											0.0000	
											0.0000	
											0.0000	

Note : You may not use wet factors with additional credit for water controls (wet material/water spray).

Table 5: Raw Material Stockpiles (Using stockpile equation)	
Stockpile Area (acres)	8
Control Factor	0.3
Number of active days per year	365
PM inactive emissions (ton/yr)	0.0000
PM10 inactive emissions (ton/yr)	0.0000
PM2.5 inactive emissions (ton/yr)	0.0000
PM active emissions (ton/yr)	5.7816
PM10 active emissions (ton/yr)	2.8908
PM2.5 active emissions (ton/yr)	0.4377
Total PM emissions (ton/yr)	5.7816
Total PM10 emissions (ton/yr)	2.8908
Total PM2.5 emissions (ton/yr)	0.4377

Note: Active stockpiles are those that have more than 8 hours of activity per 24 hours.
You may not use wet factors with additional credit for water controls (wet material/water spray).

Summary of Rock Crusher Emissions			
Source	Polluta	lb/hr	ton/yr
Table 1: Crushers			
Primary	PM	0.042	0.055
	PM10	0.020	0.026
	PM2.5	0.003	0.004
Secondary	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Secondary	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Tertiary	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Tertiary	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Fines	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Fines	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Table 2 Screens			
#1	PM	0.440	0.581
	PM10	0.148	0.195
	PM2.5	0.010	0.013
#2	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
#3	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
#4	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
#5	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
#6	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
#7	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Table 3 Truck Loading			
	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Table 6 Drop points			
	PM	0.000	0.000
	PM10	0.000	0.000
	PM2.5	0.000	0.000
Table 7 Stockpiles			
	PM		5.782
	PM10		2.891
	PM2.5		0.438

Silver Creek Aggregates, LP
Standard Permit for Rock Crushers
Application for Standard Permit

FIN:	ENGINE1
EPN:	ENGINE1
Source Name:	317kW ENGINE

Source Description:

Emissions Calculation Basis:

Emissions factors for NOx, VOC, CO, and PM are based on 40 CFR 1039, Subpart B Tier 4 "nonroad" emissions specification. PM10 and PM2.5 are assumed to be equal to total PM. Emission factor for SO2 is from AP-42 Table 3.3-1.

Data Used in Calculations

Parameter	Value	Units	Source
Nameplate BPH	425	hp	Vendor specification
Nameplate kW	317	kW	Vendor specification
Hours of Operation	2640	hr/yr	NSPS IIII limit on non-emergency operation

EPN	FIN	Source Name	Compound	Emissions Factor	Hourly Emissions (lb/hr)	Annual Emissions (tpy)
ENGINE1	ENGINE1	ENGINE1	NOx	0.4	g/KWh	0.28
			CO	3.5	g/KWh	2.45
			VOC	0.19	g/KWh	0.13
			SO2	0.00205	lb/hp-hr	0.87
			PM	0.02	g/KWh	0.01
			PM10	0.02	g/KWh	0.01
			PM 2.5	0.02	g/KWh	0.01

Sample Calculations:

NOx, CO, VOC, PM/PM10/PM2.5 Hourly Emission Rate (lb/hr) = Emission Factor (g/KWh) * Engine Power Rating (kW) * (lb/453.59 g)

NOx Hourly Emission Rate (lb/hr) = 0.4 (g/KWh) * 317 (kW) * (lb/453.59 g) = 0.28 lb/hr

Annual Emission Rate (tpy) = Hourly Emission Rate (lb/hr) * Annual Hours of Operation (hr/yr) / 2000 lb/ton

NOx Annual Emission Rate (tpy) = 0.28 (lb/hr) * 2640 (hr/yr) * (ton/2000 lb) = 0.37 tpy

SO2 Hourly Emission Rate (lb/hr) = Emission Factor (lb/hp-hr) * Engine Power Rating (hp)

SO2 Hourly Emission Rate (lb/hr) = 0.00205 (lb/hp-hr) * 425.10 (hp) = 0.87 lb/hr



Texas Commission on Environment Quality

Table 17
Rock Crushers

Please Complete the Following				
Maximum operating schedule:	10	hours/day	6	days/week
			52	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 type="checkbox"/> Secondary Crusher(s)	Type: Impact	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:				
Feed Hoppers:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Suction to Baghouse	<input type="checkbox"/> Other:_____
All Belt Transfer Points:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Suction to Baghouse	<input type="checkbox"/> Other:_____
Inlet of all Crushers:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Suction to Baghouse	<input type="checkbox"/> Other:_____
Outlet of all Crushers:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Suction to Baghouse	<input type="checkbox"/> Other:_____
All Shaker Screens:	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Suction to Baghouse	<input type="checkbox"/> Other:_____
If Water Sprays are used, Provide the Following Data:				
Water Flow Rate (gpm):				
Water Pressure at the Nozzle (psi): ~40				
Number of Nozzles at each location: 1-5				
<i>If baghouse is used, attach a Table 11 "Fabric Filters."</i>				
Average material moisture content (%): 2-3				
Maximum acreage covered by stockpiles (acres): 5				
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 and Vacuumed	<input type="checkbox"/> Paved and Swept	<input type="checkbox"/> Oiled
<input checked="" type="checkbox"/> Sprinkled with Water and/or Chemicals		<input type="checkbox"/> Other:_____		

PRINT FORM

RESET FORM

Texas Commission on Environmental Quality
Table 29 Reciprocating Engines

I. Engine Data											
Manufacturer: Caterpillar Inc.		Model No. C9.3B		Serial No. NGH03292		Manufacture Date: 10/19/2021					
Rebuilds Date:		No. of Cylinders: 4		Compression Ratio: 17.0:1		EPN: SCREEN					
Application: <input checked="" type="checkbox"/> Gas Compression <input type="checkbox"/> Electric Generation <input type="checkbox"/> Refrigeration <input type="checkbox"/> Emergency/Stand by <input checked="" type="checkbox"/> 4 Stroke Cycle <input type="checkbox"/> 2 Stroke Cycle <input type="checkbox"/> Carbureted <input type="checkbox"/> Spark Ignited <input type="checkbox"/> Dual Fuel <input type="checkbox"/> Fuel Injected <input checked="" type="checkbox"/> Diesel <input type="checkbox"/> Naturally Aspirated <input type="checkbox"/> Blower /Pump Scavenged <input type="checkbox"/> Turbo Charged and I.C. <input type="checkbox"/> Turbo Charged <input type="checkbox"/> Intercooled <input type="checkbox"/> I.C. Water Temperature <input type="checkbox"/> Lean Burn <input type="checkbox"/> Rich Burn											
Ignition/Injection Timing: Fixed:				Variable: 2200							
Manufacture Horsepower Rating: 456						Proposed Horsepower Rating: 456					
Discharge Parameters											
Stack Height (Feet)		Stack Diameter (Feet)		Stack Temperature (°F)				Exit Velocity (FPS)			
		0.33									
II. Fuel Data											
Type of Fuel: <input type="checkbox"/> Field Gas <input type="checkbox"/> Landfill Gas <input type="checkbox"/> LP Gas <input type="checkbox"/> Natural Gas <input type="checkbox"/> Digester Gas <input checked="" type="checkbox"/> Diesel											
Fuel Consumption (BTU/bhp-hr):				Heating Value:				Lower Heating Value:			
Sulfur Content (grains/100 scf - weight %):											
III. Emission Factors (Before Control)											
NO _x		CO		SO ₂		VOC		Formaldehyde		PM ₁₀	
g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
0.19		0.2								0.01	
Source of Emission Factors: <input checked="" type="checkbox"/> Manufacturer Data <input type="checkbox"/> AP-42 <input type="checkbox"/> Other (specify):											
IV. Emission Factors (Post Control)											
NO _x		CO		SO ₂		VOC		Formaldehyde		PM ₁₀	
g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
Method of Emission Control: <input checked="" type="checkbox"/> NSCR Catalyst <input type="checkbox"/> Lean Operation <input type="checkbox"/> Parameter Adjustment <input type="checkbox"/> Stratified Charge <input type="checkbox"/> JLCC Catalyst <input type="checkbox"/> Other (Specify):											
Note: Must submit a copy of any manufacturer control information that demonstrates control efficiency.											
Is Formaldehyde included in the VOCs?										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
V. Federal and State Standards (Check all that apply)											
<input type="checkbox"/> NSPS JJJJ <input type="checkbox"/> MACT ZZZZ <input checked="" type="checkbox"/> NSPS IIII <input type="checkbox"/> Title 30 Chapter 117 - List County: _____											
VI. Additional Information											
1. Submit a copy of the engine manufacturer's site rating or general rating specification data. 2. Submit a typical fuel gas analysis, including sulfur content and heating value. For gaseous fuels, provide mole percent of constituents. 3. Submit description of air/fuel ratio control system (manufacturer information is acceptable).											

Reset Form

Print Form

Section 5

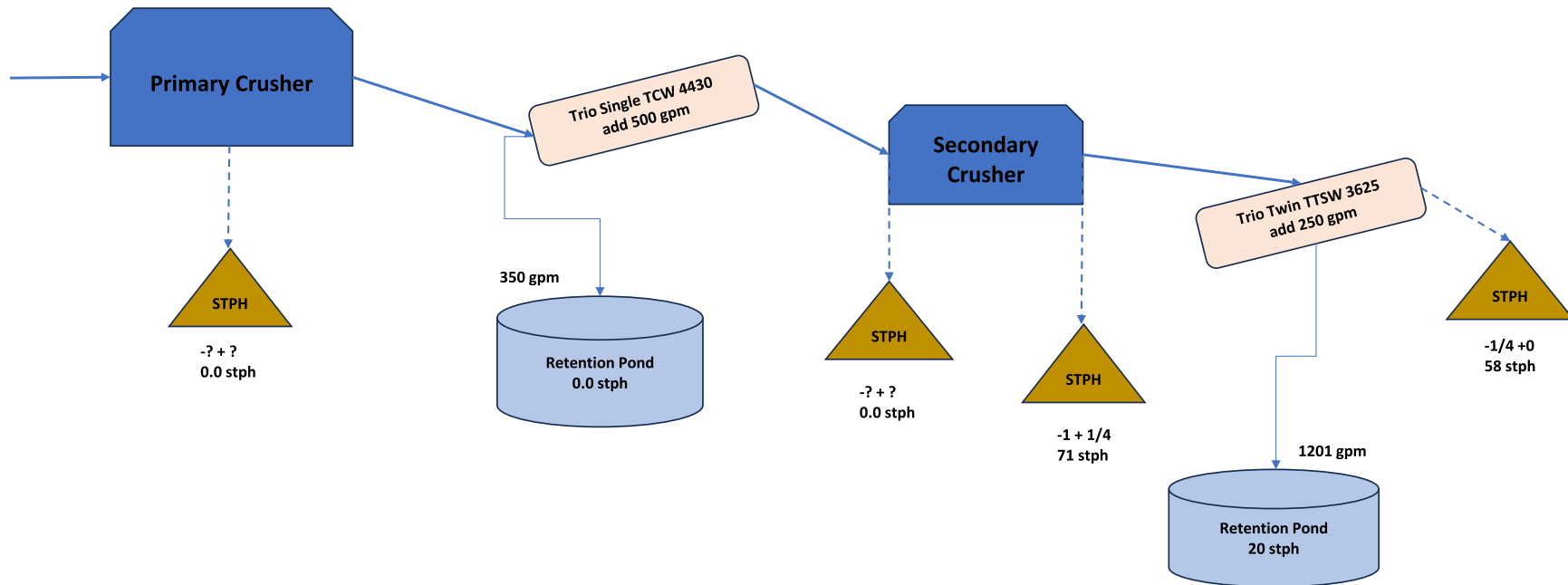
Process Description and Process Flow Diagram

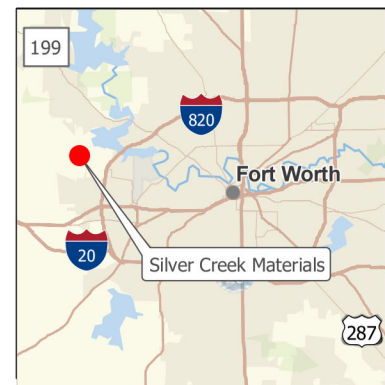
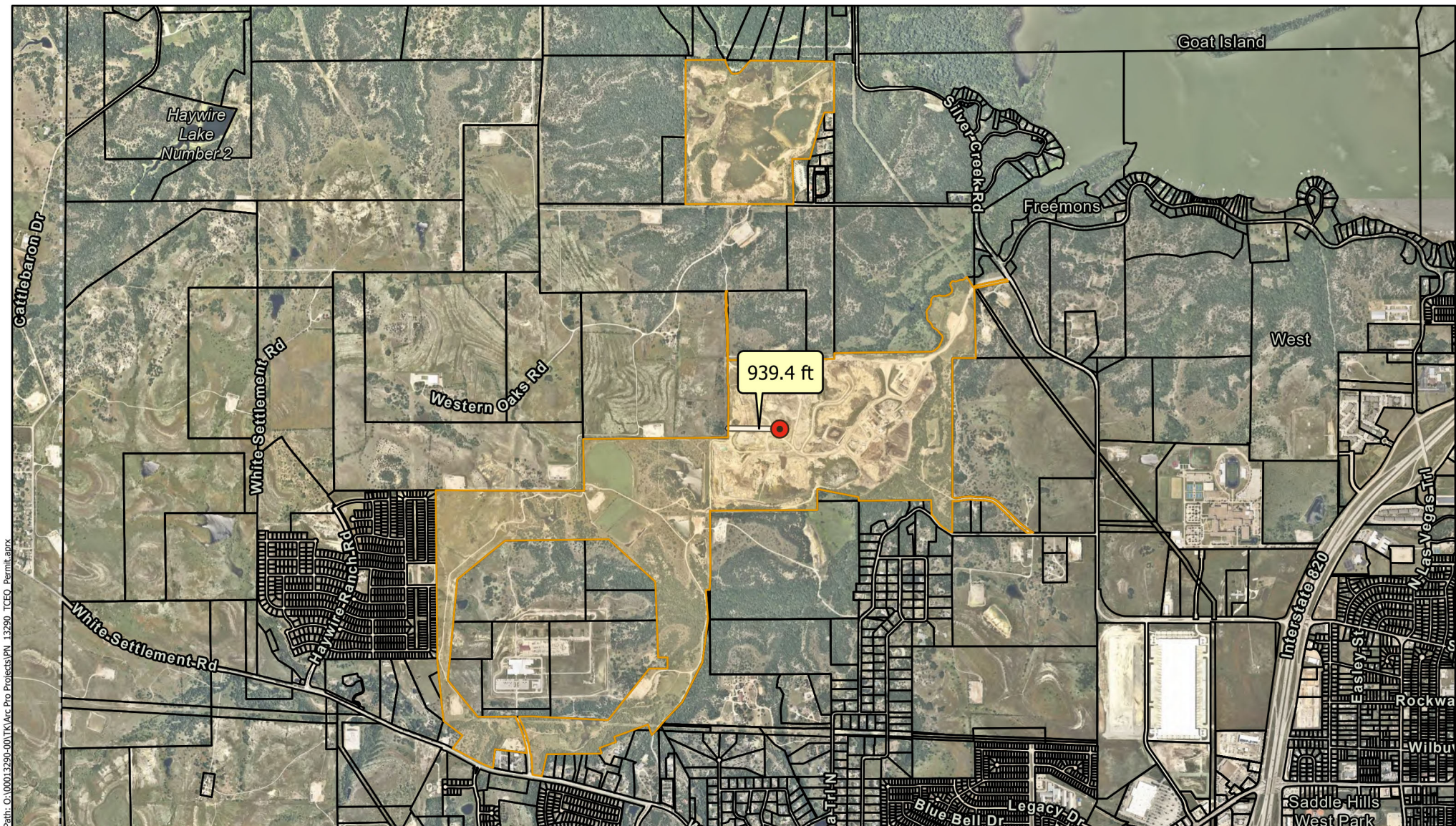
Silver Creek operates a primary crusher (EPNs: Crusher #1) for the purpose of crushing oversized rock material on site. The rock crusher and associated facilities will meet the requirements of the Standard permit.

Material is front end loaded to the crusher. From the primary crusher, material will be conveyed to the screening unit after being washed through the first sand screw. From there, the material is sized and stockpiled. Smaller materials will be conveyed to the secondary washing unit. All water is collected and will be recycled/used for control dust as necessary from all emission points including stockpiles.

A detailed process flow diagram has been included in the application.

Silver Creek Aggregates, LP Process Flow Diagram





Datum: NAD 1983
 Projection: Texas State Plane
 Zone: North Central
 Units: US Feet
 Basemap: Nearmap May 14, 2024

0 2,500
 Feet

0 500
 Meters

- Rock Crusher Location Site
- Distance to Nearest Property Line
- Property Boundary
- Tarrant County Parcels

Air Quality Plot Plan

Silver Creek Materials - Fort Worth

Tarrant County, Texas

Job No.: 13290-00 Scale: 1" = 2,500' Date: July 2024

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