From:	Alexander Hilla
Sent:	Monday, August 19, 2024 2:00 PM
То:	Monique Wells
Subject:	CASARES SAND PIT & TRUCKING Draft Public Notice STDPMT 177103
	Project 377475
Attachments:	20240819-01_Draft PN_177103-377475.docx

Good afternoon,

My name is Alexander Hilla. I am the permit reviewer responsible for the project referenced above. I am writing to inform you that the application is marked technically complete as of August 19, 2024.

We've attached a draft portion of the Public Notice of Application. The draft notice approval and alternative language translation must be completed and returned within 5 business days.

The Notice of Application is a legally approved document and only the items listed below are subject to approval/correction. Please review carefully and provide corrections including a revised application as needed:

- Street address or driving directions to the facility.
- Hyperlink for the map to facility please confirm the map shows the general vicinity location of the facility.
- Contaminant's list.

• Public viewing place (must be in the same county as the facility and may be required to have internet access).

• For renewal applications, check all previous permitting actions since initial issuance or last renewal to make sure they are listed in Example A.

o Incorporation / consolidation of registrations for PBRs and Standard Permits being included with this application.

- o Emission factor changes.
- o Qualified facility changes.
- Public Notice Technical Contact information.

Please do not publish until you receive an email containing an administratively complete letter and public notice package.

Best Regards,



Alexander Hilla Air Permits Division, Mechanical Texas Commission on Environmental Quality 12100 Park 35 Circle Austin, TX 78753

Work: (512)-239-0157 Mobile: (512)-659-7478 Email: <u>alexander.hilla@tceq.texas.gov</u>

How is our customer service? <u>www.tceq.texas.gov/customersurvey</u>

Steven Piper

From:	Steven Piper
Sent:	Monday, August 5, 2024 12:39 PM
То:	Joe Nicosia
Subject:	New Project Assignment - Currently in Initial Review Process

177103_377475 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!

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

Does the site have a physical address?	Yes
Physical Address	
Number and Street	3420 W JETT RD
City	SAN ANTONIO
State	ТХ
ZIP	78264
County	BEXAR
Latitude (N) (##.######)	29.19795
Longitude (W) (-###.######)	-98.5662
Primary SIC Code	1422
Secondary SIC Code	
Primary NAICS Code	
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	
What is the name of the Regulated Entity (RE)?	Casares Sand Pit - Crusher #1
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	3420 W JETT RD
City	SAN ANTONIO
State	ТХ
ZIP	78264
County	BEXAR
Latitude (N) (##.######)	29.19795
Longitude (W) (-###.######)	-98.5662
Facility NAICS Code	
What is the primary business of this entity?	Production of base material

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN604813212
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	CASARES SAND PIT & TRUCKING, INC.
Texas SOS Filing Number	135164300
Federal Tax ID	
State Franchise Tax ID	30117751450
State Sales Tax ID	
Local Tax ID	
DUNS Number	

Number of Employees	
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	CASARES SAND PIT & TRUCKING, INC.
Prefix	MR
First	David
Middle	
Last	Casares
Suffix	III
Credentials	
Title	PRESIDENT
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3420 W JETT RD
Routing (such as Mail Code, Dept., or Attn:)	
City	SAN ANTONIO
State	ТХ
ZIP	78264
Phone (###-###-####)	2106242443
Extension	
Alternate Phone (###-#####)	
Fax (###-####+####)	
E-mail	casaressandpittrucking@gmail.com

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	CN604813212, CASARES SAND PIT & TRUCKING, INC.
Organization Name	CASARES SAND PIT & TRUCKING, INC.
Prefix	MR
First	David
Middle	
Last	Casares
Suffix	III
Credentials	
Title	PRESIDENT
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3420 W JETT RD
Routing (such as Mail Code, Dept., or Attn:)	
City	SAN ANTONIO
State	ТХ

ZIP Phone (###-#####) Extension Alternate Phone (###-####) Fax (###-####) E-mail

Technical Contact

78264 2106242443

casaressandpittrucking@gmail.com

Person TCEQ should contact for questions about this application: Same as another contact? **Organization Name CIC Environmental LLC** Prefix MS First Monique Middle Last Wells Suffix Credentials Title **Environmental Consultant** Enter new address or copy one from list: Mailing Address Address Type Domestic PO BOX 151000 Mailing Address (include Suite or Bldg. here, if applicable) Routing (such as Mail Code, Dept., or Attn:) City AUSTIN State ТΧ ZIP 78715 Phone (###-####-#####) 5122924314 Extension Alternate Phone (###-#####) Fax (###-####) E-mail monique@cicenvironmental.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 Yes requirements of the standard permit? 3) Select the type of unit that is being registered: 3.1. Select the rule associated to the unit 6013 specified.

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

Cover Letter and Supporting

PERMANENT ROCK AND CONCRETE CRUSHERS

Documents - Casares Sand Pit PDF.pdf
AD0CE09EEF996C9C46E6CB825188FBF5E9A9C1A04A86ED39F89CD5EC48E3A68D

MIME-Type Confidential

Hash

application/pdf

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

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 Patsy L Casares, the owner of the STEERS account ER058144.
- 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: Patsy L Casares OWNER OPERATOR

Account Number:	ER058144
Signature IP Address:	104.53.211.147
Signature Date:	2024-08-02
Signature Hash:	C5E66C81661FB45A6220A67EB07D8DFC5DE7082D383FE31CF0C16C9F355B1635
Form Hash Code at time of Signature:	1674B6DD679BA151D8DADCBF4DDEB148845A0DB6033B527DDE8BCB69A4B31F0A

Fee Payment

Transaction by:

Paid by:

Fee Amount: Paid Date: Transaction/Voucher number:

Submission

Reference Number: Submitted by:

Submitted Timestamp:

Submitted From:

Confirmation Number: Steers Version:

Additional Information

Application Creator: This account was created by Monique Wells

The application fee was paid by DAVID CASARES LLL

\$900.00

The application fee was paid on 2024-08-02

The transaction number is 582EA000619924 and the voucher number is 715525

The application reference number is 667238

The application was submitted by ER015363/Monique Wells

The application was submitted on 2024-08-02 at 11:04:42 CDT

The application was submitted from IP address 136.62.202.29

The confirmation number is 554636

The STEERS version is 6.79

CICEnvironmental

July 15, 2024

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

RE: Casares Sand Pit & Trucking, Inc. Customer Number: CN604813212 Regulated Entity Number: New Standard Air Quality Permit for Rock Crusher

Dear Mr. Short:

Enclosed is a PI-1S, CORE Data Form, and supporting documents to initiate the standard air quality permit process for Casares Sand Pit & Trucking, Inc. located at 3420 W. Jett Road, San Antonio – Bexar County. The company wishes to operate a crusher for the purpose of producing base material. This is a new facility and will require a new Regulated Entity Number.

CIC Environmental, LLC is the primary contact for this application. Should you or your staff have any questions or comments, please contact me via email at <u>monique@cicenvironmental.com</u> – BEST FORM OF COMMUNICATION. CIC Environmental, LLC respectfully requests a copy of the issuance letter for our files.

Sincerely,

Monique A. Wells

Monique A. Wells Environmental Consultant

Cc via STEERS: Mr. David Casares, III, Casares Sand Pit & Trucking, Inc. Mr. Carl Ortmann, Air Section Manager, Texas Commission on Environmental Quality, Region 13 – San Antonio Region

LIST OF ATTACHMENTS:

Project and Site Description PI-1S Form CORE Data Form Permanent Rock and Concrete Crusher Registration Checklist Standard Permits General Requirements Checklist Site Location Map Aerial Map – Surrounding Area Aerial Map – Surrounding Area Aerial Map – Site with Plant Layout Process Description / Process Flow Diagram Table 17 – Rock Crushers Table 29 – Reciprocating Engines Additional Engine Information Compliance with State and Federal Rules and Regulations BACT / MSS / PSD Information Recordkeeping

Casares Sand Pit and Trucking, Inc. General Project/Site Description

Project Description:

Casares Sand Pit and Trucking, Inc. (CSP&T) wishes to operate a portable rock crushing plant. Casares wishes to crush oversized rock to produce usable base material.

The crushing facility will be located no closer that 440 yards from any off-site house, school, or place of worship along with remaining no closer than 200 feet from any property line. Stockpiles will be located no closer than 100 feet from any property line.

General Site Description:

The site is located at 3420 W. Jett Road, San Antonio - Bexar County. The site is located on the east side of Jett Road on a large parcel of land. The surrounding area consists of existing quarries and rural residential.

There are no churches or schools located nearby. The nearest residence is located greater than 1,500 feet to the north of the facility.

An aerial map has been provided in the application indicating the location of the site and the surrounding area.

Proposed Facility Description:

CSP&T proposes to construct a crushing facility consisting of a primary crusher, second crusher, and a screening unit. A process flow diagram has been included in the application with associated EPNs. The cumulative total of horsepower if the facility will not exceed 1,000 horsepower. Table 29s and engine specification sheets are included in the application.

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:
CASARES SAND PIT & TRUCKING, INC.
B. Company Official Contact Information (X Mr. Ars. Mrs. Other:)
Name: David Casares, III
Title: President
Mailing Address: 3420 W. Jett Road
City: San Antonio
State: TX
ZIP Code: 78264
Telephone No.: 210-624-2443
Fax No.:
Email Address: casaressandpittrucking@gmail.com
All permit correspondence will be sent via email.
C. Technical Contact Information (Mr. Mrs. Ms. Other:)
Name: Monique Wells
Title: Environmental Consultant
Company Name: CIC Environmental, LLC
Mailing Address: P.O. Box 151000
City: Austin
State: TX
ZIP Code: 78749
Telephone No.: 512-292-4314
Fax No.:
Email Address: monique@cicenvironmental.com
II. Facility and Site Information
A. Name and Type of Facility
Facility Name: Casares Sand Pit - Crusher #1
Type of Facility: 🛛 Permanent 🗌 Temporary

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Page _____ of _____

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

II. Facility and Site Information (continued)

For portable units, please provide the serial number of the equipment being authorized below.

Serial No(s):

B. Facility Location Information

Street Address: 3420 W. Jett Road

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: San Antonio

County: Bexar

ZIP Code: 78264

C. Core Data Form (required for Standard Permits 6006, 6007, and 6013).

Is the Core Data Form (TCEQ Form 10400) attached?

X Yes 🗌 No

Customer Reference Number (CN): 604813212

Regulated Entity Number (RN): New

D. TCEQ Account Identification Number (if known):

E. Type of Action

Initial Application Change to Registration Renewal Renewal Certification

For Change to Registration, Renewal, or Renewal Certification actions provide the following:

Registration Number:

Expiration Date:

F. Standard Permit Claimed:

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?

🗌 Yes 🗌 No

If "Yes," enter previous standard exemption number(s) and PBR registration number(s) and associated effective date in the spaces provided below.

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Page _____ of ____

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

II. Facility and Site Information (continued)		
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 Yes No Exemption, PBR, or Standard Permit?		
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)		
1		
I. Other Air Preconstruction Permits		
Are there any other air preconstruction permits at this site?		
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?		
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?		
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (check all that apply).		
Initial Application for a FOP Significant Revision for a SOP Minor Revision for a SOP		
Operational Flexibility/Off Permit Notification for a SOP Revision for a GOP		
To be Determined X None		
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. (check all that apply)		
SOP GOP GOP application/revision (submitted or under APD review) X N/A		
SOP application/revision (submitted or under APD review)		

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Page _____ of _____

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

	CONTRACTOR OF THE OWNER O
III. Fee Information (go to www.tceg.texas.gov/epay to pay online)	innin telle son yst
A. Fee Amount: \$900	
B. Voucher number from ePay: STEERS	
IV. Public Notice (if applicable)	A president of the
A. Responsible Person (🖾 Mr. 🗌 Mrs. 🗌 Ms. 🗌 Other:)	
Name: David Casares, III	
Title: President	
Company: CASARES SAND PIT & TRUCKING, INC.	
Mailing Address: 3420 W. Jett Road	
City: San Antonio	
State: TX	
ZIP Code: 78264	
Telephone No.: 210-624-2443	Provide the
Fax No.:	
Email Address: monique@cicenvironmental.com	
B. Technical Contact (Mr. Mrs. Ms. Other):	
Name: Monique Wells	
Title: Environmental Consultant	
Company: CIC Environmental, LLC	
Mailing Address: P.O. Box 151000	
City: Austin	
State: TX	
ZIP Code: 78715-1000	
Telephone No.: 512-292-4314	
Fax No.:	
Email Address: monique@cicenvironmental.com	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
C. Bilingual Notice	
Is a bilingual program required by the Texas Education Code in the School District?	🛛 Yes 🗌 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?	🛛 Yes 🗌 No

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Page _____ of _____

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

IV.	Public Notice (continued) (if applicable) (continued)	Vie sie tek histori
lf "Y€	es," list which language(s) are required by the bilingual program below?	
Spa	Inish	and the second
D.	Small Business Classification and Alternate Public Notice	
Does have	s this company (including parent companies and subsidiary companies) fewer than 100 employees or less than \$6 million in annual gross receipts?	X Yes 🗌 No
Is the	e site a major source under 30 TAC Chapter 122, Federal Operating Permit Program?	🗌 Yes 🛛 No
Are t great	he site emissions of any individual regulated air contaminant equal to or ter than 50 tpy?	🗌 Yes 🔀 No
Are t or gr	he site emissions of all regulated air contaminant combined equal to eater than 75 tpy?	🗌 Yes 🔀 No
V.	Renewal Certification Option === NOT APPLICABLE ===	
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?	🗌 Yes 🗌 No
В.	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)?	🗌 Yes 🗌 No
C.	Does the company and/or site have an unsatisfactory compliance history?	Yes 🗌 No
D.	Are there any applications currently under review for this standard permit registration?	Yes No
E.	Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time?	🗌 Yes 🗌 No
F.	Are any of the following actions being requested at the time of renewal:	🗌 Yes 🗌 No
1.	Are there any facilities that have been permanently shutdown that are proposed to be removed from the standard permit registration?	🗌 Yes 🗌 No
2.	Do changes need to be made to the standard permit registration in order to remain in compliance?	🗌 Yes 🗌 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?	🗌 Yes 🗌 No
4.	Are there any changes to the current emission rates table being proposed?	🗌 Yes 🗌 No
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.		
*lf no quali	otice is applicable and comments are received in response to the public notice, the application fy for the renewal certification option.	ation does not

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

Page _____ of ___

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

VI.	Technical Information Including State and Federal Regulatory Requirements	
Place Note the s	ce a check next to the appropriate box to indicate what you have included in your su e: Any technical or essential information needed to confirm that facilities are meeting the re- standard permit must be provided. Not providing key information could result in an automa voiding of the project.	bmittal. equirements of tic deficiency
A.	Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable che	cklists.)
Did Sec	you demonstrate that the general requirements in 30 TAC tions 116.610 and 116.615 are met?	🛛 Yes 🗌 No
Did	you demonstrate that the individual requirements of the specific standard permit are met?	X Yes 🗌 No
В.	Confidential Information (All pages properly marked "CONFIDENTIAL").	Yes No
C.	Process Flow Diagram.	Yes 🗌 No
D.	Process Description.	Yes 🗌 No
E.	Maximum Emissions Data and Calculations.	Yes 🗌 No
F.	Plot Plan.	🛛 Yes 🗌 No
G.	Projected Start Of Construction Date, Start Of Operation Date, and Length of Time at Site:	X Yes 🗌 No
Proj	ected Start of Construction (provide date): August 1, 2024	
Proj	ected Start of Operation (provide date): August 10, 2024	
Leng	gth of Time at the Site: 10 Years+	
VII.	Delinquent Fees and Penalties	entresie considere
This the Prot <u>wwv</u>	form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee ar tocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ web w.tceq.texas.gov/agency/financial/fees/delin/index.html.	or the Office of nd Penalty site at:

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

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Page _____ of _____

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Form PI-1S Registrations for Air Standard Permit (Page 7) Texas Commission on Environmental Quality

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): Danny Ewing, Cofounder David CASAres THE President
Signat	ure (original signature required):
Date:	7-12-24
IX.	Copies of the Registration
The Pl Regior <u>www3</u>	-1S application must be submitted through ePermits. No additional copies need to be sent to the nal Office or local Air Pollution Control Program(s). The link to ePermits can be found here: https://www.tceg.texas.gov/steers/ .

the second s	statut and any the providence of the second statute of the second statute of
Reset Form	Print Form

TCEQ-10370 (APD-ID 31v2.0, Revised 01/23) PI-1S This form is for use by facilities subject to air quality permit requirements and may be revised periodically.

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TCEQ Core Data Form

TCEQ Use Only

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 fo	r Submission (If other is c rmit Registration or Author	hecked please of the please of	describe	in space p	rovided.	.) od with	the r	rogram applicatio		
Renewa	al. (Core Data Form should	be submitted w	ith the re	should be			ther		0.000	
2. Customer	2. Customer Reference Number (if issued)									
CN 6	04813212		Follow this link to search for CN or RN numbers in		RN New					
SECTION II: Customer Information										
4. General C	ustomer Information	5. Effective D	ate for C	ustomer In	formatio	on Upd	ates (mm/dd/yyyy)		
New Cus	New Customer Update to Customer Information Change in Regulated Entity Ownership Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)									
The Cusic Texas Sec	retary of State (SOS)	or Texas Co	e updat mptrol	ler of Pu	natica Iblic A	ccoui	ised nts (i	on what is cu CPA).	rrent and	active with the
6. Customer	Legal Name (If an individual	, print last name fi	rst: e.g.: [Doe, John)		<u>lf ne</u>	ew Cu	stomer, enter previ	ous Custom	er below:
CASARES SA	ND PIT & TRUCKING, INC.		Sector and	1002020	Nice Date	196.3	6.023			HE STANDARD
7. TX SOS/C	PA Filing Number	ax ID (11	digits)		9. Federal Tax ID (9 digits) 10. DUNS Num			S Number (if applicable)		
11. Type of Customer: Corporation Individual Partnership: General Limited										
Government	: 🗌 City 🔲 County 🛄 Federal	State Other		Sole P	roprietor	rship		Other:	all and the	
12. Number	of Employees]21-100 []101-250	251-500	501	and highe	r	13.	Indep Yes	endently Owned a	and Operate	əd?
14. Custome	r Role (Proposed or Actual)	as it relates to the	e Regulat	ed Entity lis	ted on th	iis form.	Pleas	e check one of the f	ollowing:	
Owner	onal Licensee	ator onsible Party	*	Owner &	Operati / Cleanu	or up Appl	licant	Other:		
	3420 W Jett Road	ervent lintek	1				etter)	States and	Nasin 955	The second second
15. Mailing	100 COLUMN TWO IN	steril		in the second		-		and the second	-	
riddiodo.	City San Antonio	ander des	State	e TX	2	ZIP	7826	4	ZIP + 4	10001473
16. Country	Mailing Information (if outside	USA)			17. E-N	Ail Address (if applicable)				
9-162		a Constation	0.00		casares	sandpitt	truckin	g@gmail.com	195,822.22	
18. Telephone Number 19. Extension or Code 20. Fax Number (if applicable) (210) 624 - 2443 () -					le)					
SECTION	III: Regulated Entity In	nformation	ated Eat	that is a star	ted bel			alaassid ha asaassa	and and have	a second second second
21. General Regulated Entity Information (If New Regulated Entity is selected below this form should be accompanied by a permit application)										
The Real	ulated Entity Name su	ibmitted mai	he un	dated in	order	to m	eef 7	CEQ Agency	Data Star	ndards (removal
of organ	izational endings suc	h as Inc, LP,	or LLC	;).	01001	10 11	0011	ond rigeney	outu otal	isaids fremoval
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)										

Casares Sand Pit - Crusher #1

TCE0-10400 (04/15)

Pane 1of 2

Regulated Entity:	States and			No. N. NESSA	1000	1999	****		0.99.20	Series and	Mark Street
(No PO Boxes)	City	San Antonio		State	TX		ZIP	78264		ZIP + 4	Sinkey
24. County	Bexar		1.5%		17 4	12 74	h sell		Paral .	1 () () () () () () () () () (
		Enter Physical Lo	cati	on Descriptio	n if no	street a	ddress is p	rovided.			
25. Description to Physical Location:											e transformer
26. Nearest City								State	-	Ne	arest ZIP Code
一下 二乙酸 网络拉拉				Single Light	0.82	信息创	tel Telles	1007		機	
27. Latitude (N) In Decim	al:	29.19795			2	28. Long	jitude (W)	In Decir	mal:	8.56620	
Degrees	Minutes	5	Seco	nds	E)egrees	10073V0794	Min	utes	Second	S
a series and the series of the	929944				1999 B	Twy!	地理加	的影响			fathere and
29. Primary SIC Code (4 dig	its)	30. Secondary SIC C	Code	e (4 digits)	31. F (5 or (Primary 3 digits)	NAICS Co	de	32. Se (5 or 6	condary NAIC digits)	S Code
1499	and the second	1422			17.45		14/2020		100	and the set	Constanting
33. What is the Primary Bu	siness o	f this entity? (Do not	repe	at the SIC or NA	ICS desc	ription.)					
Production of base material.	0.000		122		Store -				Contractions		AND A STRATE
34 Mailing	3420 W. Jett Road										
Address:				Cont Ballion PM			state of the manager in		and mindely	CON GROUP	
	City	San Antonio		State	T	(ZIP	78264	12 300	ZIP + 4	
35. E-Mail Address:		casaressandpittrucking	g@g	mail.com				00.5	NU	(16)	
36. Teleph	one Nun	nber		37. Extens	sion or	Code	36. Fax Number (II applicable)			bie)	
(210)	624 - 2	443			Sec. 1.	1444		(1999)	• 1999年	
39. TCEQ Programs and ID Nur Form instructions for additional gu	n bers Chi iidance,	eck all Programs and write	in th	e permits/registra	ation nurr	bers that	will be affect	ed by the up	dates subm	itted on this for	m. See the Core E
Dam Safety		Districts		Edwards	Aquife	•2	Emis	sions Inve	ntory Air	🗌 Industria	I Hazardous Wa
	2.98			10	001	. Shield					
Municipal Solid Waste		lew Source Review A	ir	OSSF			Petrole	um Stora	ge Tank	D PWS	
						(Select	ale al Ba		Sector.	- Application	
		Storm Water	-	Title V Ai	ir		Tire:	S		Used	Oil
						11.000	R. Martin				
Voluntary Classic		Waste Water		[]W/actowat	ter Aari	culture	Water Rights		Other	References	
			-			ound			Outer.	We dia territoria.	
SECTION IV: Prepare	r Inforr	nation									
40. Name: Monique Wells,	CIC Enviro	inmental, LLC	(A)	A Repose	12/2015	00	41. Title:	Environm	nental Cons	ultant	WITCHER
I	43.1	Ext./Code		44. Fax Num	ber		45. E-Ma	ail Address	3		
42. Telephone Number	(512) 202- 4314			(540) 4-	10-20	110	monique@cicenvironmental.com			fring weaks	
42. Telephone Number (512) 292- 4314	1 TANK			012 4	10 30	10	A AND AN AND AND AND AND AND AND AND AND				

Company:	CASARES SAND PIT & TRUCKING, INC.	Job Title:	President
Name(In Print):	David Casares, III	Phone:	(210)624-2443
Signature:	Der anst	Date:	2-12-24

TCEO-10400 (04/15)

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Casares Sand Pit and Trucking, Inc. General Project/Site Description

Project Description:

Casares Sand Pit and Trucking, Inc. (CSP&T) wishes to operate a portable rock crushing plant. Casares wishes to crush oversized rock to produce usable base material.

The crushing facility will be located no closer that 440 yards from any off-site house, school, or place of worship along with remaining no closer than 200 feet from any property line. Stockpiles will be located no closer than 100 feet from any property line.

General Site Description:

The site is located at 3420 W. Jett Road, San Antonio - Bexar County. The site is located on the east side of Jett Road on a large parcel of land. The surrounding area consists of existing quarries and rural residential.

There are no churches or schools located nearby. The nearest residence is located greater than 1,500 feet to the north of the facility.

An aerial map has been provided in the application indicating the location of the site and the surrounding area.

Proposed Facility Description:

CSP&T proposes to construct a crushing facility consisting of a primary crusher, second crusher, and a screening unit. A process flow diagram has been included in the application with associated EPNs. The cumulative total of horsepower if the facility will not exceed 1,000 horsepower. Table 29s and engine specification sheets are included in the application.



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 Cheo	ek The Type of Facility: 🗹 Rock Crusher 🗌 Concrete	Crusher
CONDITIC	ON 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?	☐ YES NO N/A
	(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.)	
(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?	🗌 YES 🗌 NO 🖌 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?	🗌 YES 🗌 NO 🖌 N/A
(1)(D)(ii)	Will this plant operate onsite for one period of 180 calendar days or less?	🗌 YES 🗌 NO 🖌 N/A
(1)(D)(iii)	Will all applicable conditions stated in commission rules, including operating conditions be met?	🗌 YES 🗌 NO 🗹 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?	🗌 YES 🗌 NO 🖌 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?	🗌 YES 🖌 NO 🗌 N/A



Please Ch	eck The Type of Facility: 🗹 Rock Crusher 🗌 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?	☐ YES ♥ NO □ N/A				
	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?	🗌 YES 🗹 NO 🗌 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?	YES NO N/A				
	Is the company's compliance history rating poor?	🗌 YES 🖌 NO 🗌 N/A				
(1)(H)	Has construction and/or operation begun on the facility?	YES 🖌 NO 🗌 N/A				
	Is there a non operational crusher stored onsite?	🗌 YES 🖌 NO 🗌 N/A				
(1)(I)	In accordance with 30 TAC § 116.614, Standard Permit Fees, was a \$900 fee sent to TCEQ Revenue Section?	✔ YES □ NO □ 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?	YES NO 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?	YES NO 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?	☐ YES ☐ NO ✔ 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?	YES NO N/A				
	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?	YES NO N/A				



Please Chec	ek The Type of Facility: 🗹 Rock Crusher 🗌 Concrete G	Crusher				
CONDITION NUMBER AND DESCRIPTION (continued)						
(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?	YES NO N/A				
(1)(P)	Have maintenance emissions been authorized? (Maintenance emissions are not included in this permit and must be approved under separate authorization.)	🗌 YES 🗹 NO 🗌 N/A				
	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.)	✔ YES □ NO □ N/A				
	Will start-up and shutdown emissions exceed those expected during production operations?	🗌 YES 🖌 NO 🗌 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?	☐ YES 🗹 NO 🗌 N/A				
PUBLIC N	OTICE REQUIREMENTS - Detailed Public Notice Information will be Determination of Technical Completeness	e Sent upon				
(2)(B)(i)	Will public notice be published no later than 30 days after the application is determined to be technically complete?	YES NO N/A				
OPERATIO	DNAL REQUIREMENTS					
(3)(A)	Will the primary crusher throughput exceed 200 tons per hour?	🗌 YES 🗹 NO 🗌 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?	🗌 YES 🖌 NO 🗌 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?	✔ YES □ NO □ N/A				
	(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).					



Please Check The Type of Facility: 🗹 Rock Crusher 🗌 Concrete Crusher				
OPERAT	FIONAL REQUIREMENTS (continued)			
(3)(D)	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?	✓ YES □ NO □ N/A		
	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?	🗌 YES 🗌 NO 🖌 N/A		
(3)(E)	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?	YES NO N/A		
(3)(F)	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?	☐ YES 🗹 NO 🗌 N/A		
	(Equipment that is not a source of emissions does not require authorization.)			
(3)(G)	Will any of the crushers, associated facilities, and/or associated sources (excluding stockpiles) exceed 2,640 operating hours in any rolling 12-month period?	🗌 YES 🖌 NO 🗌 N/A		
(3)(H)	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?	☐ YES 🗹 NO 🗌 N/A		
(3)(I)	Will all crushers be equipped with runtime meters and will the runtime meters be operating during crushing operations?	YES 🗌 NO 🗌 N/A		
(3)(J)	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?	YES NO N/A		
(3)(K)	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?	🗌 YES 🗹 NO 🗌 N/A		
	Will opacity of emissions from any crusher exceed 15 percent, averaged over a six-minute period as determined using EPA Test Method 9?	🗌 YES 🖌 NO 🗌 N/A		
(3)(L)	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?	YES IN NO N/A		



Please Check The Type of Facility: 🖉 Rock Crusher 🗌 Concrete Crusher						
OPERATI	ONAL REQUIREMENTS (continued)					
(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?	🗌 YES 🖌 NO 🗌 N/A				
(3)(M)(ii)	Dust-suppressant chemicals?	🗌 YES 🖌 NO 🗌 N/A				
(3)(M)(iii)	Water?	YES NO N/A				
(3)(M)(iv)	Paved with a cohesive hard surface that is maintained intact and cleaned?	🗌 YES 🗹 NO 🗌 N/A				
(3)(N)	Will all stockpiles be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions?	YES 🗌 NO 🗌 N/A				
(3)(O)	Will raw material and product stockpile heights exceed 45 ft?	☐ YES 🖌 NO 🗌 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?	YES NO 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?	YES 🗌 NO 🗌 N/A				

Print Form

Reset Form

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?	YES NO				
	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?	☐ YES ☐ NO <i>N/A</i>				
	<i>If "NO," does the specific standard permit exempt emissions from this limit?</i>	YES 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?	YES 🗌 NO				
If "YES, " list sub	parts: Subpart A and OOO					
116.610 (a)(4)	Do any Hazardous Air Pollutant requirements apply to this registration?	🗌 YES 🔀 NO				
If "YES, " list sub	parts					
116.610 (a)(5)	Do any maximum achievable control technology (MACT) standards as listed under 40 CFR Part 63 or Chapter 113, Subchapter <u>C</u> (National Emissions Standard for Hazardous Air for Source Categories) apply to this registration?	🗌 YES 🔀 NO				
If "YES, " list sub	parts:					
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?	🗌 YES 🔀 NO				
116.611(a)(1-6)	Is the following documentation included with this registration:	YES NO				
	Emissions calculations including the basis of the calculations?	YES 🗌 NO				
	Quantification of all emission increases and/or decreases associated with this project?	YES 🗌 NO				
	Sufficient information demonstrating that this project does not trigger PSD or NNSR review?	YES 🗌 NO				
	Description of efforts to minimize collateral emissions increases associated with this project?	YES NO				
	Process descriptions including related processes?	YES NO				
	Description of any equipment being installed?	YES 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 of the application?	or money order provide	ed with	YES 🗌 NO		
116.615(1)	Will emissions from the facility comply with regulations of the commission adopted under Chapter 382, and with the intent of the Texas	🗙 YES 🗌 NO				
116.615(2)	Do you understand that all representations with regard to construction plans, perating procedures, and maximum emission rates in this registration become conditions upon which the facility will be constructed and operated?					
116.615(3)	Do you understand that all changes authorized incorporated into the facility's permit if the fa under §116.110 (relating to Applicability)?	d by this registration ne acility is currently perm	ed to be itted	🗶 YES 🗌 NO		
List all related permit	numbers:					
None						
116.615(9)617(e)(1)	Will all air pollution emission capture and ab maintained in good working order?	YES 🗌 NO				
116.615(10)	Will the facility comply with all applicable ru TCEQ, the Texas Health and Safety Code, Cl Air Act?	ules and regulations of t hapter 382, and the Tex	he as Clean	🗶 YES 🗌 NO		

Save Form

Reset Form







Casares Sand Pit and Trucking, Inc. Process Description / Flow Diagram

Crushing Facility Operation:

Material is front end loaded to the hopper of the primary crusher (EPN #1/ENG 1). From the primary crusher, the material will be conveyed to the screening unit #1 (EPN #2/ENG 2). From the screening Unit #1, the oversized material will be conveyed to the secondary crusher (EPN #3/ENG 3) in a closed loop system. Material from Screening Unit #1 will be sized and will be stockpiled (FUG 1). From the stockpile, material will be loaded into trucks and moved off site.

All water will be used to control dust as necessary from all emission points including stockpiles.



Process Flow Diagram



Table 17 Rock Crushers

Please Complete the Follo	owing							
Maximum operating sched	ule: 10	hour	s/day	6	day	s/week	44	weeks/year
Does the facility operate at	night?	NOT	ΤΟ ΕΧϹ	EED 264	0 HOURS PER YE	AR	-	🗌 YES 🔀 NO
Maximum Plant Product	ion Rates:							
Primary Crusher	Type: Imp	pactor		200	tons/hou	r 528,0	00	tons/year
Secondary Crusher(s)	Type: Co	ne		200	tons/hour	528,0	000	tons/year
Tertiary Crusher(s)	Type:				tons/hour			tons/year
The Following Pieces of F	Zquipment	will be Controlle	d as S	hown:				
Feed Hoppers:	None	Water Spray	🗌 Su	action to	Baghouse	Othe	r:	
All Belt Transfer Points:	None	Water Spray		action to	Baghouse	Othe	r:	
Inlet of all Crushers:	None	Water Spray		uction to	Baghouse	Othe	r:	
Outlet of all Crushers:	None	Water Spray		uction to	Baghouse	Othe	r:	
All Shaker Screens:	None	Water Spray		uction to	Baghouse	Othe	r:	
If Water Sprays are used	, Provide t	he Following Dat	a:					
Water Flow Rate (gpm):	Avg 30 GPN	Л						
Water Pressure at the Nozz	tle (psi): 1	5 - 20						
Number of Nozzles at each	location:	3 - 5						
If baghouse is used, attach	a Table 11	"Fabric Filters."						
Average material moisture	content (%): 5%						
Maximum acreage covered	l by stockpi	les (acres): ~ 10						
Stockpiles have the follow	ing controls	: 🗌 Nor	ne		∢ Wate	r		Chemical
In-plant roads will be:	Paved a	and Vacuumed			Paveo	l and Sw	vept	Oiled
Sprinkled with Water a	and/or Cher	nicals Ot	her:					

PRINT FORM RESET FORM

Texas Commission on Environmental Quality Table 29 Reciprocating Engines

I. Engine Data								
Manufacturer: Caterpillar	Model No. C13		Serial No	Serial No.		Manufacture Date: 2018		
Rebuilds Date:	No. of Cylinders	No. of Cylinders:		sion Ratic):	EPN:		
None	6	3				ENG 1		
Application: 🗙 Gas Com	pression 🗌 Elec	tric Generati	on 🗌 Re	frigeratio	n 🗌 Eı	nergency/	Stand by	
X 4 Stroke Cycle □ 2 Str	oke Cycle 🛛 C	arbureted	🗌 Spark Ig	gnited [Dual Fu	el 🗌 F	uel Injected	1
🗙 Diesel 🗌 Naturally As	pirated 🗌 Blow	ver /Pump Se	cavenged	Turbo	Charged a	and I.C.	🗌 Turbo (Charged
Intercooled	I.C. Water Temp	erature	🗌 Lean Bu	urn		Rich I	Burn	
Ignition/Injection Timing:	Fixed: 2100		<u>.</u>	Vari	able:			
Manufacture Horsepower Ra	ting: 415		Proposed	Horsepo	wer Rating	;: 415		
		Discharge	Parameter	·s		_		
Stack Height (Feet)	Stack Diamet	er (Feet)	Stack T	Temperat	ure (°F)	Exit	Velocity (FPS)
9.6	0.416		778			2240 C	FM	
II. Fuel Data								
Type of Fuel: Field Ga	s 🗌 Landfill (Gas 🗌 LP (Gas 🗌] Natural	Gas 🔲	Digester (Gas 🗙 Die	sel
Fuel Consumption (BTU/bhj	p-hr):	Heating Va	lue: 36556	6	Low	er Heating	g Value:	
Sulfur Content (grains/100 s	cf - weight %): 50	0 ppm						
III. Emission Factors (Be	fore Control)				h			
NO _X C	0	SO ₂	VOC Formaldehyd			dehyde	PM ₁₀	
g/hp-hr ppmv g/hp-hr	ppmv g/hp-l	hr ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
2.98 2.6		2.05E	0.141		0		0.01	
Source of Emission Factors:	Manufacture	r Data 🗵 A	AP-42 🗵	Other (sp	ecify): Tie	r 3		
IV. Emission Factors (Po	st Control)		-		1			
NO _X C	0	SO ₂	VO	C	Formal	dehyde	PM	l ₁₀
g/hp-hr ppmv g/hp-hr	ppmv g/hp-l	hr ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
Mathad of Environment						A	4	
Method of Emission Control	$\Box \text{ INSCR Catal}$	iyst Le	an Operatio	m [] I	arameter A	Aajustmer	It	
Note: Must submit a com o	f any manufactura	$y_{Sl} \square Ol$	ormation th	y). <u> </u>	stratas con	trol offici	20101	
Is Formaldehyde included in	the VOCs?			ui uemon.	strutes con		$\square \mathbf{V}_{\text{es}} \mathbf{\nabla}$	l No
V Endered and State S	tandards (Chack	all that any						110
NSPS IIII MACT 2	777 X NSPS I	III 🗌 Titl	e 30 Chapte	er 117 - I	ist County			
VI Additional Informs			e so enapa		ist county	•		
1 Submit a copy of the eng	vine manufacturer'	s site rating	or general r	ating spe	cification d	lata		
2. Submit a typical fuel gas	analysis, includin	g sulfur con	tent and hea	ating valu	e. For gase	ous fuels,	provide me	ole
percent of constituents.	<i>,</i>	0						
2 Submit decommission of the	fuel ratio control	austore (m	ufooturer :-	nformati-	n ia 0000-4	abla)		
3. Submit description of air	/fuel ratio control	system (mar	ufacturer in	nformatio	n is accept	able).		

CATERPILLAR® C13 ACERT **

310 bkW / 415 bhp

2100 rpm

Industrial



Image shown may not reflect actual engine

FEATURES

Emissions

Meets Tier 3, Stage IIIA emission requirements. Tier 3 refers to EPA (U.S.) standards. Stage IIIA refers to European standards.

Worldwide Supplier Capability

Caterpillar

- Casts engine blocks, heads, and cylinder liners.
- Machines critical components
- Assembles complete engine

Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable product. Factory-designed systems built at Caterpillar ISO certified facilities.

Testing

Prototype testing on every model:

- proves computer design
- verifies system torsional stability
- tests functionality on every model

Every Caterpillar engine is dynamometer tested under full load to ensure proper engine performance.

CATERPILLAR ENGINE SPECIFICATIONS

I-6, 4-Stroke-Cycle Diesel

3ore	130.0 mm (5.12 in)
Stroke	157.0 mm (6.18 in)
Displacement	12.5 L (762.8 in³)
Aspiration	Turbocharged Aftercooled
Compression Ratio	
Rotation (from flywheel end)	Counterclockwise
Weight, Net Dry (approximate l	(g, lb) 939 kg, 2070 lb
	•

Full Range of Attachments

Wide range of bolt-on system expansion attachments, factory designed and tested.

Unmatched Product Support Offered Through Worldwide Caterpillar Dealer Network

More than 1,500 dealer outlets. Caterpillar factory-trained dealer technicians service every aspect of your industrial engine. 99.7% of parts orders filled within 24 hours worldwide. Caterpillar parts and labor warranty. Preventive maintenance agreements available for repair before failure options.

Scheduled Oil Sampling program matches your oil sample against Caterpillar set standards to determine:

- internal engine component condition
- presence of unwanted fluids
- presence of combustion by-products

Web Site

For all your industrial power requirements, visit www.cat-industrial.com.

CATERPILLAR[®] C13 ACERT ™

INDUSTRIAL ENGINE

310 bkW (415 bhp)

STANDARD ENGINE EQUIPMENT

Air Inlet System

Air to air aftercooled (ATAAC) Turbocharged

Control System

Electronic governing, PTO speed control Programmable ratings Cold mode start strategy Automatic altitude compensation Power compensation for fuel temperature Programmable low and high idle and total engine limit Electronic diagnostics and fault logging Engine monitoring system J1939 Broadcast (diagnostic and engine status) ADEM[™] A4

Cooling System

Thermostats and housing, vertical outlet Jacket water pump, centrifugal Water pump, inlet

Exhaust System

Exhaust manifold, dry Optional exhaust outlet

Flywheels and Flywheel Housing

SAE No. 1 Flywheel housing

Fuel System

MEUI injection Fuel filter, secondary (2 micron high performance) Fuel transfer pump Fuel priming pump ACERT™ Technology

Lube System

Crankcase breather Oil cooler Oil filler Oil filter Oil pan front sump Oil dipstick Oil pump (gear driven)

General

Paint, Caterpillar Yellow Vibration damper Lifting eyes

CATERPILLAR[®] C13 ACERT [™]

INDUSTRIAL ENGINE

English

310 bkW (415 bhp)

PERFORMANCE CURVES

IND - B - DM7686-01



Engine Speed rpm

Engine Speed rpm	Engine Power bhp	Engine Torque Ib•ft	BSFC lb/bhp-hr	Fuel Rate gal/hr
2100	415	1038	.358	21.2
2000	415	1090	.351	20.8
1900	415	1148	.344	20.4
1800	415	1211	.339	20.1
1700	411	1269	.338	19.8
1600	402	1319	.338	19.4
1500	390	1364	.337	18.8
1400	373	1399	.337	17.9
1300	342	1381	.336	16.4
1200	308	1350	.336	14.8

INDUSTRIAL ENGINE

310 bkW (415 bhp)

RATINGS AND CONDITIONS

IND - B For service where power and/or speed are cyclic (time at full load not to exceed 80%).

Engine Performance Diesel Engines – 7 liter and higher All rating conditions are based on SAE J1995, inlet air standard conditions of 99 kPa (29.31 in. Hg) dry barometer and 25° C (77° F) temperature. Performance measured using a standard fuel with fuel gravity of 35° API having a lower heating value of 42,780 kJ/kg (18,390 btu/lb) when used at 29° C (84.2° F) with a density of 838.9 g/L.



Texas Commission on Environmental Quality Table 29 Reciprocating Engines

I. En	gine Data	a									
Manufact	urer:		Model N	ю.		Serial No.			Manufacture Date:		
Caterpilla	ar		C-9						2012		
Rebuilds	Date:		No. of Cylinders:			Compress	ion Ratio	:	EPN:		
0			4			16.1:1			Crusher	Engine	
Applicati	ion: 🗙	Gas Comp	ression	Electric	Generati	on 🗌 Re	frigeratio	n 🗌 En	nergency/	Stand by	
× 4 Stro	ke Cycle	2 Stro	ke Cycle	Carb	ureted	🗌 Spark Ig	gnited [Dual Fue	el 🗌 Fi	uel Injected	
× Diese	l 🗌 Na	turally Asp	irated	Blower	/Pump So	cavenged	Turbo	Charged a	nd I.C.	🗙 Turbo C	Charged
Interc	ooled		I.C. Wate	er Temperat	ture [Lean Bu	Irn		🗌 Rich I	Burn	
Ignition/	Injection	Timing:	Fixed:				Vari	able: 180	0 - 2200		
Manufact	ure Horse	epower Rat	ing : 325	5		Proposed	Horsepo	wer Rating	: 325		
				Di	ischarge	Parameter	S		1		
Stack	Height (Feet)	Stack	Diameter ((Feet)	Stack T	'emperat	ure (°F)	Exit	Velocity (l	FPS)
12.3			0.416			892			1997 C	FM	
II. Fu	el Data										
Type of F	uel:] Field Gas		andfill Gas	LP C	Gas 🗌] Natural	Gas 🗌 I	Digester (ias 🗙 Dies	sel
Fuel Con	sumption	(BTU/bhp-	-hr):	Не	eat ing Va	alue:		Low	er Heating	g Value:	
Sulfur Co	ontent (gra	ains/100 sc	f - weight	t %): Ultra	Low Sulf	ur Fuel					
III. Em	ission Fa	actors (Bef	ore Cont	rol)	III. Emission Factors (Before Control)						
			\mathbf{SO}_2								
NC	X	CO)	SO	2	VO	С	Formal	dehyde	PM	10
NC g/hp-hr	x ppmv	CC g/hp-hr) ppmv	SO g/hp-hr	ppmv	VO g/hp-hr	C ppmv	Formal g/hp-hr	dehyde ppmv	PM g/hp-hr	10 ppmv
NC g/hp-hr 2.7	ppmv	CC g/hp-hr 1.6) ppmv	SO g/hp-hr (AP-42)	2 ppmv 2.05E	VO g/hp-hr w/nox	C ppmv	Formal g/hp-hr	dehyde ppmv 	PM g/hp-hr 0.1	ppmv
NC g/hp-hr 2.7 Source of	ppmv Emission	CC g/hp-hr 1.6 n Factors:) ppmv X Manu	SO g/hp-hr (AP-42) ufacturer Da	2 ppmv 2.05E ata X A	VO g/hp-hr w/nox AP-42	C ppmv Other (sp	Formalo g/hp-hr becify):	dehyde ppmv 	PM g/hp-hr 0.1	ppmv
NCg/hp-hr2.7Source ofIV. Em	Dx ppmv Emission Famission Fa	C(g/hp-hr 1.6 n Factors: actors (Pos) ppmv X Manu t Contro	SO g/hp-hr (AP-42) ufacturer Da l)	2 ppmv 2.05E ata ⊠ A	VO g/hp-hr w/nox AP-42	C ppmv Other (sp	Formalo g/hp-hr becify):	dehyde ppmv ——-	PM g/hp-hr 0.1	ppmv
NCg/hp-hr2.7Source ofIV. EmNC	Dx ppmv Emission fission Fa	CC g/hp-hr 1.6 n Factors: actors (Pos CC) ppmv X Manu t Contro	SO g/hp-hr (AP-42) ufacturer Da l) SO	$\begin{array}{c c} ppmv \\ \hline 2.05E \\ ata \fbox \\ P \\ 2 \\ \end{array}$	VO g/hp-hr w/nox AP-42	C ppmv Other (sp	Formal g/hp-hr becify): Formal	dehyde ppmv 	PM g/hp-hr 0.1 PM	10 ppmv
NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr	Dx ppmv Emission ission Fa Dx ppmv	C(g/hp-hr 1.6 n Factors: actors (Pos C(g/hp-hr) ppmv Manu t Contro) ppmv	SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr	2 ppmv 2.05E ata	VO g/hp-hr w/nox AP-42 VO g/hp-hr	C ppmv Other (sp C ppmv	Formal g/hp-hr ecify): Formal g/hp-hr	dehyde ppmv ——- dehyde ppmv	PM g/hp-hr 0.1 PM g/hp-hr	ppmv ppmv
NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr	x ppmv Femission ission x ppmv	CC g/hp-hr 1.6 n Factors: actors (Pos CC g/hp-hr) ppmv X Manu t Contro ppmv	SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr	2 ppmv 2.05E ata X A 2 ppmv	VO g/hp-hr w/nox AP-42 VO g/hp-hr	C ppmv Other (sp C ppmv	Formal g/hp-hr becify): Formal g/hp-hr	dehyde ppmv dehyde ppmv	PM g/hp-hr 0.1 PM g/hp-hr	ppmv ppmv 10 ppmv
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NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr Method o □ Stratif Note: Ma Is Formal	x ppmv ission Fa x ppmv f Emission ied Charg ust submit dehyde in	CC g/hp-hr 1.6 n Factors: ccors (Pos CC g/hp-hr on Control: ge t a copy of ncluded in t		SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr CR Catalyst CR Catalyst ufacturer co s?	2 ppmv 2.05E ata	VO g/hp-hr w/nox AP-42 VO g/hp-hr an Operation her (Specify prmation that	C ppmv Other (sp C ppmv n):	Formal g/hp-hr becify): Formal g/hp-hr Parameter A strates cont	dehyde ppmv — — - dehyde ppmv Adjustmer	PM g/hp-hr 0.1 PM g/hp-hr t t	no n
NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr Method o Stratif Note: Ma Is Formal V. F	x ppmv ission Fa x ppmv f Emissic ied Charge ust submit dehyde in	CC g/hp-hr 1.6 n Factors: nctors (Pos CC g/hp-hr on Control: ge t a copy of the ncluded in the ncluded in the ncluded in the		SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr CR Catalyst CC Catalyst <i>ifacturer co</i> s? (Check all	2 ppmv 2.05E ata	VO g/hp-hr w/nox AP-42 f VO g/hp-hr an Operation her (Specify prmation that bly)	C ppmv Other (sp C ppmv n I f): at demon:	Formal g/hp-hr ecify): Formal g/hp-hr Parameter A strates cont	dehyde ppmv dehyde ppmv Adjustmer	PM g/hp-hr 0.1 PM g/hp-hr tt mcy. □ Yes ⊠	no
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NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr Method o Stratif Note: Ma Is Formal V. F NSPS VI. A	x ppmv ission Fa x ppmv if Emissic ied Charg ust submit dehyde in iederal an JJJJ cdditiona	CC g/hp-hr 1.6 n Factors: nctors (Pos CC g/hp-hr on Control: ge t a copy of t ncluded in t nd State St MACT ZZ I Informat		SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr CR Catalyst CC Catalyst <i>ifacturer co</i> s? (Check all NSPS IIII	2 ppmv 2.05E ata	VO g/hp-hr w/nox AP-42 vO g/hp-hr an Operation her (Specify prmation that by) e 30 Chapte	C ppmv Other (sp C ppmv n f): at demons er 117 - L	Formale g/hp-hr becify): Formale g/hp-hr Parameter A strates cont ist County:	dehyde ppmv dehyde ppmv ddjustmer trol efficie	PM g/hp-hr 0.1 PM g/hp-hr at t ?ncy. ∑ Yes [X]	10 ppmv 10 ppmv No
NC g/hp-hr 2.7 Source of IV. Em NC g/hp-hr Method o Stratif Note: Ma Is Formal V. F NSPS VI. A 1. Subm 2. Subm	pymv ission Fa ission Fa x ppmv f Emission field Charge ust submit dehyde in jJJJJ cdditiona nit a copy it a typic	CC g/hp-hr 1.6 n Factors: nctors (Pos CC g/hp-hr on Control: ge t a copy of ncluded in t nd State St MACT ZZ I Informat of the engi al fuel gas		SO g/hp-hr (AP-42) ufacturer Da l) SO g/hp-hr CR Catalyst CR Catalyst tfacturer co s? (Check all NSPS IIII facturer's si including si	ppmv 2.05E ata	VO g/hp-hr w/nox AP-42 VO g/hp-hr an Operation her (Specify ormation that by) e 30 Chapter or general ra-	C ppmv Other (sp C ppmv n f): at demon: er 117 - L ating spea	Formale g/hp-hr ecify): Formale g/hp-hr Parameter A strates cont ist County: cification d e. For gase	dehyde ppmv dehyde ppmv Adjustmer trol efficie ata. ous fuels.	PM g/hp-hr 0.1 PM g/hp-hr tt mcy. Yes X	Ino ppmv Internet Int
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Reset Form

LESSER REGULATED



Specifications

	China Stage II, U.S. EPA Tier 3 Equivalent or U.S. EPA Tier 2 Equivalent, EU Stage IIIA Equivalent or EU Stage II Equivalent
Engine Configuration	In-Line 6, Diesel
Bore x Stroke	112 x 149 mm (4.41 x 5.87 in)
Displacement	8.8 liters (537 in ³)
Ship Weight	1490 kg (3285 lbs)
Approximate Dimensions	S:
Length	2174.4 mm (85.81 in)
Width	987.8 mm (38.89 in)
Height	2008.1 mm (79.06 in)

China Stage II, U.S. **EPA Tier 3** Equivalent, EU Stage IIIA Equivalent Ratings

A Rating (Continuou	ıs)		B Rating			C Rating (Intermittent)			
	bkW	bhp	rpm	bkW	bhp	rpm	bkW	bhp	rpm
IA (AIAAU)									
	205	275	1800-2200	223	300	1800-2200	242	325	1800-2200
	_	_					261	350	1800-2200

China Stage II, U.S. EPA Tier 2 Equivalent, EU Stage II Equivalent Ratings

	A Rating (Continuous)	C Rating (Intermittent)	
TA (ATAAC)	bkW bhp rpm	bkW bhp rpm	
	223 300 1800-2200	261 350 1800-2200	

Emission standards: China Stage II, U.S. EPA Tier 3 equivalent or U.S. EPA Tier 2 equivalent, EU Stage IIIA equivalent or EU Stage II equivalent

Available for other regulated and non-regulated areas. U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent also available using EPA (U.S.) Flexibility and EU Flexibility.

Texas Commission on Environmental Quality Table 29 Reciprocating Engines

I. Eng	gine Data	a									
Manufacto CATERPIL	urer: LAR		Model N C4.4	0.		Serial No.			Manufac 2018	ture Date:	
Rebuilds	Date:		No. of C	ylinders:		Compress	ion Ratio):	EPN:		
NONE			4			16.2:1			ENG 2 [SCREEN 1	
Applicati	on: 🗙	Gas Comp	ression	Electric	Generati	on 🗌 Re	frigeratio	n 🗌 Ei	mergency/	Stand by	
× 4 Strol	ke Cycle	2 Stro	ke Cycle	Carb	ureted	🗌 Spark Ig	gnited	Dual Fu	el 🗌 Fu	uel Injected	
X Diesel	🗌 Na	turally Asp	irated	Blower	/Pump Sc	cavenged	Turbo	Charged a	and I.C.	🗙 Turbo (Charged
	ooled		I.C. Wate	er Temperat	ure	Lean Bu	Irn		Rich I	Burn	
Ignition/I	njection	Timing:	Fixed:			T	Vari	able: 2200) - 2400		
Manufact	ure Horse	epower Rat	ing: 142			Proposed	Horsepo	wer Rating	;: 142		
				Di	scharge	Parameter	S				
Stack	Height (Feet)	Stack	Diameter (Feet)	Stack T	'emperat	ure (°F)	Exit	Velocity (FPS)
8.2 H F	1.0.4		0.416			831			1448 Ci	-M	
II. Fue	l Data			1611.0			7				1
Type of F		Field Gas		andfill Gas		jas _		Gas	Digester C	ias 🗙 Die	sel
Fuel Cons	sumption	(BTU/bhp	-hr):	He	eat ing Va	alue:		Low	er Heating	g Value:	
Sulfur Co	ntent (gra	ains/100 sc	f - weight	%): Ultra I	_ow Sulfu	ir - Max 15	РРМ				
III. Em	ission Fa	ictors (Bef	ore Cont	rol)		VO	C	E		DM	r
NU a/hp.hp	X		J 	50 a/hn hn	2	vU a/hn hn	<u> </u>	Formal		r M	L ₁₀
g/np-nr 2.09	рршу	g/np-nr	ppmv	g/np-nr	2 05E	g/np-nr	ppmv	g/np-nr	рршу	g/np-nr	рршу
2.90 Source of	Emission	2.0 Factors:	 Mani	ifacturer De	2.03∟ ata ⊠ /	P_{-12}	Other (sr	o ecify):	 Tior 3	0.014	
IV Em	ission Fa	etors (Pos		$\mathbf{h} = \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h} \mathbf{h}$	PPLICABI	LE]	Other (sp	cerry).			
NO	v	C)	<u>so</u>	b	· VO	C	Formal	dehvde	PM	[10
g/hp-hr	DDMV	g/hp-hr	DDmv	g/hp-hr		g/hp-hr	DDmv	g/hp-hr	ppmv	g/hp-hr	ppmv
81	TT -	81	TT -	81	II I	81	TT -	81	11	81	11
Method of	f Emissic	on Control:		CR Catalyst	Le	an Operatio	n 🗌 I	Parameter A	Adjustmer	nt	
Stratif	ied Charg	ge	☐ JLC	C Catalyst	Otl	ner (Specify	/):				
Note: Mu	ist submi	t a copy of	any manu	facturer co	ntrol info	ormation the	at demon	strates con	trol efficie	ency.	
Is Formal	dehyde in	ncluded in	the VOCs	?						Yes 🗌	No
V. F	ederal ai	nd State St	andards	(Check all	that app	ly)					
□ NSPS	JJJJ 🗌	MACT Z	ZZZ 🗙	NSPS IIII	🗌 Title	e 30 Chapte	er 117 - L	ist County	:		
VI. A	dditiona	l Informat	tion								
1. Subm	it a copy	of the engi	ne manuf	acturer's si	te rating of	or general r	ating spe	cification o	lata.	• •	1
2. Subm	it a typic	al fuel gas	analysis, : VA	including su	ilfur cont	ent and hea	iting valu	e. For gase	ous fuels,	provide mo	ble
3. Subm	it descrip	tion of air/	fuel ratio	control sys	tem (man	ufacturer ir	nformatio	n is accept	able). N/	A	
<u>µ</u>											
							Res	et Form	Prir	nt Form	





The Cat® C4.4 ACERT Industrial Diesel Engine is offered in ratings ranging from 61.5-106 bkW (74.5-100 bhp) @ 2200 rpm. These ratings meet EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Industries and applications powered by C4.4 ACERT engines include: Agriculture, Aerial Lifts, Aircraft Ground Support, Bore/Drill Rigs, Chippers/Grinders, Compactors/Rollers, Compressors, Construction, Cranes, Crushers, Feller Bunchers, Forestry, Forklifts, General Industrial, Harvesters, Hydraulic Power Units, Irrigation Equipment, Loaders/Forwarders, Material Handling, Mining, Mobile Earthmoving Equipment, Mobile Sweepers, Paving Equipment, Pumps, Skidders, Specialty Ag Equipment, Sprayers, Trenchers, Turf and Landscaping and Underground Mining Equipment.

Specifications

Power Rating		
Minimum Power	61.5 bkW	82.5 bhp
Maximum Power	106 bkW	142 bhp
Rated Speed		2200 rpm

Emission Standards	
Emissions	China Nonroad III, U.S. EPA Tier 3 Equivalent, EU Stage
	IIIA Equivalent

General	
Engine Configuration	Inline 4, 4-Stroke-Cycle Diesel
Bore	105 mm (4.13 in)
Stroke	127 mm (5.0 in)
Displacement	4.4 L (269 in ³)
Aspiration	Turbocharged (T) or Turbocharged Aftercooled (TA)
Compression Ratio	16.2:1
Combustion System	Direct Injection
Rotation (from flywheel end)	Counterclockwise
Lube System (refill)	11 L (11.6 qt)

Engine Dimensions (Approximate. Final dimensions dependent on selected options)	
Length	631 mm (24.8 in)
Width	626 mm (24.65 in)
Height	823.5 mm (32.4 in)
Weight, Net Dry (Basic Operating Engine Without Optional Attachments)	360 kg (793.7 lb)



Benefits and Features

Emissions

Designed to meet China Nonroad III emission standards. Meets U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Available using U.S. EPA Flexibility or EU Flexibility, and for other regulated and non-regulated areas.

Reliable, Quiet and Durable Power

World-class manufacturing capability and processes coupled with proven core engine designs assure reliability, quiet operation, and many hours of productive life.

Fuel Efficiency

Fuel consumption optimized to match operating cycles of a wide range of equipment and applications while maintaining low operating costs.

Fuel & Oil

Tier 4 Interim or Tier 4 Final, Stage IIIB or Stage IV engines require Ultra Low Sulfur Diesel (ULSD) fuel containing a maximum of 15 ppm sulfur, and new oil formulations to support the new technology. Cat® engines are designed to accommodate B20 biofuel. Your Cat dealer can provide more information regarding fuel and oil.

Broad Application Range

Industry leading range of factory configurable ratings and options for agricultural, material handling, construction, mining, aircraft ground support, and other industrial applications.

Package Size

Ideal for equipment with narrow engine compartments. Multiple installation options minimize total package size.

Quality

Every Cat engine is manufactured to stringent quality standards in order to assure customer satisfaction.

World-class Product Support Offered Through Global Cat Dealer Network

- Scheduled maintenance, including SOSSM sample
- Customer Support Agreements (CSA)
- Caterpillar Extended Service Coverage (ESC)
- Superior dealer service network
- Extended dealer service network through the Cat Industrial Service Distributor (ISD) program

Standard Equipment

Air Inlet System

• Inlet manifold with choice of inlets.

Control System

- Alternator
- Starter motor
- · Glow plug starting aid

Cooling System

Flywheels and Flywheel Housing

- SAE No. 3 flywheel housing
- Flywheel and starter rings



• Fuel filter positions

Lube System

- · Lubricating oil filters and breathers
- Oil filter positions
- Lube oil sump

Power Take Off

• SAE B Power Take Off (PTO)

General

- · Paint: Caterpillar yellow, with optional colors available at request
- Timing case and gear-driven auxiliaries
- · Belt-driven auxiliaries
- Engine mountings
- Gauges
- Displays
- Power and torque curve tailoring

The International System of Units (SI) is used in this publication. CAT, CATERPILLAR, their respective logos, ADEM, EUI, S+O+S, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.



All subparagraphs of Texas Commission on Environmental Quality, Regulation VI, Rule 116.111 for construction permits will be addressed to illustrate the feasibility of granting the permit for Casares Sand Pit and Trucking, Inc.

COMPLIANCE WITH TCEQ REGULATION VI, RULE 116.111(a)(2)

TCEQ Regulation VI, Rule 116.111(a)(2)(A)(i) states: "The emissions from the proposed facility will comply with all rules and regulations of the TCEQ and with the intent of the Texas Clean Air Act, including protection of the health and physical property of the public."

TCEQ Regulation VI, Rule 116.111(a)(2)(A)(ii) states: "For issuance of a permit for construction or modification of any facility within 3,000 feet of an elementary, junior high/middle, or senior high school, the commission shall consider any possible adverse short-term or long-term side effects that an air contaminant or nuisance odor from the facility may have on the individuals attending the school(s)."

Regulation D, IH, IV, V, VII, and XII as they relate to the subject facility are detailed below:

- Reg. II The proposed facility is subject to the Control of Air Pollution from Sulfur Dioxide (S02) requirements of 30 TAC Chapter 112 because the diesel engine / generator set at the site has the potential to emit S02. However, based on previous worst case model results for diesel engines / generator sets associated with rock crushers, the S02 emissions from the diesel engine / generator set will not exceed a net ground level concentration of 0.4 ppm at the property line as indicated in Chapter 112.3.
- Reg. III The proposed facility is not subject to the Hazardous Air Pollutant requirements of 30 TAC Chapter 113 because the facility's emissions do not meet the definition of Hazardous Air Pollutants.
- Reg. IV The proposed facility is not subject to the Control of Air Pollution from Motor Vehicles as required in 30 TAC Chapter 114 because the facility does not meet the definition of a motor vehicle.
- Reg. V The proposed facility is not subject to the Control of Air Pollution from Volatile Organic Compounds (VOCs) requirements of 30 TAC Chapter 115 because the diesel engine / generator set at the site has the potential to emit VOCs; however, the diesel engine / generator set does not relate to any of the Subchapters of Chapter 115.
- Reg. VII The proposed facility is not subject to the Control of Air Pollution from Nitrogen Compounds requirements of 30 TAC Chapter 117 because the facility does not relate to acid manufacturing, the facility is not a major source of air contaminants, and the facility is not located in the Houston/Galveston ozone non-attainment area.

• Reg. XII - The proposed facility is not subject to the Federal Operating Permits Program as required in 30 TAC Chapter 122 because the subject facility's emissions level does not trigger an FOP.

Compliance with the Rules and Regulations of the TCEQ

This application is being submitted in accordance with Chapter 111 pertaining to *Control of Air Pollution from Visible Emissions and Particulate Matter*. Emission calculations in this application are based on the maximum hourly and annual throughput rates. Casares Sand Pit and Trucking, Inc. will comply with the applicable rules of Chapter 111.

The facility is subject to parts of Regulations VI and VIII as detailed below.

This application is being submitted in accordance with Regulation VI (Rule 116) pertaining to *Control of Air Pollution by Permits for New Construction or Modification.* Specific details regarding Regulation VI are noted later in this document.

This application is being submitted in accordance with Regulation VIII (Rule 118) pertaining to *Control of Air Pollution Episodes.* The following air contaminants are subject to Rule 118: Sulfur Dioxide (SO2), Inhalable Particulate Matter (PM10/PM 2.5), Carbon Monoxide (CO), Ozone, and Nitrogen Oxide (NOx). These air contaminants as listed in Chapter 118 may contribute to a Level 1 or Level 2 Air Pollution Episode as determined by the TCEQ. The proposed facility emits PM10/PM2.5, SO2, CO, and NOx. Should an Air Pollution Episode be declared by the TCEQ, this facility will comply with rules of Chapter 118.

Compliance with the Intent of the Texas Clean Air Act (TCAA)

The subject facility will operate in compliance with the intent of the TCAA and will not adversely affect the health and physical property of the general public.

Construction within 3,000 Feet of a School

There are no schools located within 3,000 feet of the facility. The operation of the facility is not expected to result in any short-term or long-term side effects or nuisance odors affecting any individual attending a school facility.

TCEQ Regulation VI, Rule 116.111(a)(2)(B) states: "Measurement of Emissions. The proposed facility will have provisions for measuring the emission of significant air contaminants as determined by the executive director. This may include the installation of sampling ports on exhaust stacks and construction of sampling platforms in accordance with guidelines in the "Texas Natural Resource Conservation Commission (TNRCC) Sampling Procedures Manual."

Casares Sand Pit and Trucking, Inc. will keep records on site that indicate the amount of material processed at the facility on a daily and annual basis. The emissions from this facility can be calculated from these records.

Upon request of the TCEQ or the executive director, the holder of this permit shall perform high volume air sampling for ground level concentrations of particulate matter less than 10 um in diameter (PM10). The tests shall be performed during normal operation of the facilities and shall be performed in accordance with the appropriate EPA test method.

TCEQ Regulation VI, Rule 116.111(a)(2)(C) states: "Best available control technology (BACT). The proposed facility will utilize BACT, with consideration given to the technical practicability and economic reasonableness of reducing or eliminating the emissions from the facility."

BACT will be used by Casares Sand Pit and Trucking, Inc.to control emissions. A review of reasonable and practical pollution control equipment is listed following this section.

TCEQ Regulation VI Rule 116.111(a)(2)(D) states: "New Source Performance Standards (NSPS). The emissions from the proposed facility will meet the requirements of any applicable NSPS as listed under Title 40 Code of Federal Regulations (CFR) Part 60, promulgated by the EPA under FCAA, §111, as amended."

The crushing facility is subject to NSPS Subparts A and OOO. Visible emission testing will be performed as necessary in accordance with 40 CFR Part 60 Subparts A and OOO.

TCEQ Regulation VI, Rule 116.111(a)(2)(E) states: "National Emission Standards for Hazardous Air Pollutants (NESHAP). The emissions from the proposed facility will meet the requirements of any applicable NESHAP, as listed under 40 CFR Part 61, promulgated by EPA under FCAA, §112, as amended."

There are no applicable NESHAP requirements listed in 40 CFR Part 61, promulgated by the EPA under FCAA§112, as amended, for this facility.

TCEQ Regulation VI, Rule 116.111(a)(2)(F) states: "NESHAP for source categories. The emissions from the proposed facility will meet the requirements of any applicable maximum achievable control technology standard as listed under 40 CFR Part 63, promulgated by the EPA under FCAA, 112 or as listed under Chapter 113, Subchapter C of this title (relating to National Emissions Standards for Hazardous Air Pollutants for Source Categories (FCAA 112, 40 CFR 63)."

These rules do not apply to this facility since it is not a major source of Hazardous Air Pollutants.

TCEQ Regulation VI, Rule 116.111(a)(2)(G) states: "Performance demonstration. The proposed facility will achieve the performance specified in the permit application. The applicant may be required to submit additional engineering data after a permit has been issued in order to demonstrate further that the proposed facility will

achieve the performance specified in the permit application. In addition, dispersion modeling, monitoring, or stack testing may be required."

Casares Sand Pit and Trucking, Inc. will meet the performance criteria represented in this application. Additional information will be submitted, if requested by the Executive Director, to further demonstrate that the proposed facility will achieve the performance specified in the application.

TCEQ Regulation VI, Rule 116.111(a)(2)(H) states: "Non-attainment review. If the proposed facility is located in a non-attainment area, it shall comply with all applicable requirements in this chapter concerning non-attainment review."

The proposed facility is portable and could conceivably relocate to a non-attainment area. However, the facility's maximum annual permitted emissions will not exceed the major source threshold in any listed non-attainment area of the State of Texas at the time of tins application submittal.

TCEQ Regulation VI, Rule 116.111(a)(2)(I) states: "Prevention of Significant Deterioration (PSD) review. If the proposed facility is located in an attainment area, it shall comply with all applicable requirements in this chapter concerning PSD review."

The facility is not a major source of air contaminant emissions and does not contribute to significant deterioration of air quality; therefore, no PSD application is required.

TCEQ Regulation VI, Rule 116.111(a)(2)(J) states: "Air dispersion modeling. Computerized air dispersion modeling may be required by the executive director to determine air quality impacts from a proposed new facility or source modification. In determining whether to issue, or in conducting a review of, a permit application for a shipbuilding or ship repair operation, the commission will not require and may not consider air dispersion modeling results predicting ambient concentrations of non-criteria air contaminants over coastal waters of the state. The commission shall determine compliance with noncriteria ambient air contaminant standards and guidelines at land-based off-property locations."

If required, the facility will undertake computerized air dispersion modeling to document compliance.

TCEQ Regulation VI, Rule 116.111(a)(2)(K) states: "Hazardous air pollutants. Affected sources (as defined in §116.15(1) of this title (relating to Section 112(g) Definitions) for hazardous air pollutants shall comply with all applicable requirements under Subchapter C of this chapter (relating to Hazardous Air Pollutants: Regulations Governing Constructed or Reconstructed Major Sources (FCAA, §112(g), 40 CFR Part 63)."

The subject facility is not a source for hazardous air pollutants; therefore this rule does not apply to this facility.

TCEQ Regulation VI, Rule 116.111(a)(2)(L) states: "Mass cap and trade allowances. If subject to Chapter 101, Subchapter H, Division 3, of this title (relating to Mass Emissions Cap and Trade Program), the proposed facility,

group of facilities, or account must obtain allowances to operate."

The subject facility is not subject to Chapter 101, Subchapter H, Division 3 because this facility is not proposed to be located in the Houston/Galveston ozone non-attainment area as defined in § 101.1.

EMISSION CONTROLS AND BACT SELECTION:

Casares Sand Pit and Trucking, Inc. will utilize Best Available Control Technology (BACT) at the proposed facility. Permanently mounted spray bars shall be installed at the inlet/outlet of all crushers, at all shaker screens, and at all material transfer points and used as necessary to maintain compliance with TCEQ rules and regulations. In-plant roads and traffic areas, active work areas, and stockpiles shall be sprinkled with water and/or environmentally-sensitive chemicals as necessary to minimize dust emissions.

Casares Sand Pit and Trucking, Inc. BACT / MSS / PSD

Best Available Control Technology:

Permanently mounted spray bars will 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.

Roads and stockpiles will be treated with water or chemical suppressant as necessary to reduce emissions.

Maintenance, Start-Up, Shut Down:

Based on the nature of the operation of the facility is such that there are no additional emissions generated. The conservatism of the emission calculations covers emissions expected during MSS.

Prevention of Significant Deterioration (PSD):

The site/facility is a minor source and will remain a minor source authorized under the Standard Permit for Permanent Rock Crushers.

Casares Sand Pit and Trucking, Inc. Recordkeeping

Casares Sand Pit and Trucking, Inc. will keep the following records pursuant to requirement (1)(M):

- Daily hours of operation
- Throughput per hour
- Road and work area cleaning and dust suppression log; and
- Stockpile dust suppression log.

Written records will be kept for a 24-month rolling period along with any records of maintenance performed on the facility and/or the engines and will be kept on site.

These records will be made available at the request of any personnel from the TCEQ or any air pollution control program having jurisdiction.