

From: [Sheila Monroe](#)
To: [Joe Nicosia](#)
Subject: New Project Assignment - Currently in Initial Review Process
Date: Wednesday, August 7, 2024 11:56:44 AM

177133_377781 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!



CIC Environmental

July 29, 2024

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

RE: DDM Materials, Inc.
Customer Number: CN605223866
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 DDM Materials, Inc. at 12665 Calloway Cemetery Road , Euless - Tarrant County. The facility will meet the rules of the Standard Air Quality Permit for Rock and Concrete Crushers.

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 monique@cicenvironmental.com – 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: Mr. Jacob Markwardt, DDM Materials, Inc.
Ms. Kimberli Fowler, Air Section Manager, Texas Commission on Environmental Quality,
Region 4 - DFW 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 – 3000 Ft Radius and Surrounding Area
Aerial Map – 440 Yard Radius
Aerial Map – Site with Plant Layout
Process Description / Process Flow Diagram
Table 17 – Rock Crushers
Table 29 – Reciprocating Engines (3)
Additional Engine Information (3)
Compliance with State and Federal Rules and Regulations
BACT / MSS / PSD Information
Recordkeeping

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

I. Registrant Information
A. Company or Other Legal Customer Name:
DDM MATERIALS, INC.
B. Company Official Contact Information (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Jacob Markwardt
Title: VP
Mailing Address: P.O. Box 245
City: Valley View
State: TX
ZIP Code: 76272
Telephone No.: 940-726-1122
Fax No.:
Email Address: jake@ddmcc.net / sbressette@ddmmaterials.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: 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: Rock Crushing Plant - Calloway, Euless Site
Type of Facility: <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Temporary

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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: 12665 Calloway Cemetery 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: Euless
County: Tarrant
ZIP Code: 76040
C. Core Data Form (required for Standard Permits 6006, 6007, and 6013).
Is the Core Data Form (TCEQ Form 10400) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Customer Reference Number (CN): 605223866
Regulated Entity Number (RN): New
D. TCEQ Account Identification Number (if known):
E. Type of Action
<input checked="" type="checkbox"/> Initial Application <input 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:
Expiration Date:
F. Standard Permit Claimed: 6013
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.

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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 type="checkbox"/> Yes <input checked="" 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)

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III. Fee Information (go to www.tceq.texas.gov/epay to pay online)
A. Fee Amount: 900
B. Voucher number from ePay: STEERS
IV. Public Notice (if applicable)
A. Responsible Person (<input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:)
Name: Jacob Markwardt
Title: VP
Company: DDM Materials, Inc.
Mailing Address: P.O. Box 245
City: Valley View
State: TX
ZIP Code: 76272
Telephone No.: 940-726-1122
Fax No.:
Email Address: monique@cicenvironmental.com
B. Technical Contact (<input type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input checked="" type="checkbox"/> Ms. <input type="checkbox"/> 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
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

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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 === 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?	<input type="checkbox"/> Yes <input 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 type="checkbox"/> No
C. Does the company and/or site have an unsatisfactory compliance history?	<input type="checkbox"/> Yes <input type="checkbox"/> No
D. Are there any applications currently under review for this standard permit registration?	<input type="checkbox"/> Yes <input 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 type="checkbox"/> No
F. Are any of the following actions being requested at the time of renewal:	<input 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 type="checkbox"/> No
2. Do changes need to be made to the standard permit registration in order to remain in compliance?	<input 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 type="checkbox"/> No
4. Are there any changes to the current emission rates table being proposed?	<input 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>	

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VI. Technical Information Including State and Federal Regulatory Requirements
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>
A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)
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
Did you demonstrate that the individual requirements of the specific standard permit are met? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Confidential Information (All pages properly marked "CONFIDENTIAL"). <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
C. Process Flow Diagram. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D. Process Description. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E. Maximum Emissions Data and Calculations. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
F. Plot Plan. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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
Projected Start of Construction (provide date): October 1, 2024
Projected Start of Operation (provide date): October 10, 2024
Length of Time at the Site: 10 Years+
VII. Delinquent Fees and Penalties
This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ 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 .

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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): Jacob Markwardt, VP

Signature (original signature required): 

Date: 07/24/24

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/.

Reset Form

Print Form



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 for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 605223866		RN New

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)					
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership							
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)							
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).							
6. Customer Legal Name (If an individual, print last name first: e.g.: Doe, John)		If new Customer, enter previous Customer below:					
DDM MATERIALS, INC.							
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)				
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited				
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:					
12. Number of Employees		13. Independently Owned and Operated?					
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
14. Customer Role (Proposed or Actual) - as it relates to the Regulated Entity listed on this form. Please check one of the following:							
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator							
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:							
15. Mailing Address:	807 N. I-35 FRONTAGE RD.						
	City	VALLEY VIEW	State	TX	ZIP	76272	ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)			
				jake@ddmcc.net			
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)			
(940) 726 1122 EXT 114				() -			

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Rock Crushing Plant - Calloway, Euless Site	

23. Street Address of the Regulated Entity: (No PO Boxes)	12665 Calloway Cemetery Rd							
	City	Eules	State	TX	ZIP	76040	ZIP + 4	
24. County	Tarrant							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:								
26. Nearest City					State		Nearest ZIP Code	
27. Latitude (N) In Decimal:		32.812476		28. Longitude (W) In Decimal:		-97.089777		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
1422		1499						
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Earthwork / site preparation / crushing material								
34. Mailing Address:	807 N. I-35 FRONTAGE RD.							
	City	Valley View	State	TX	ZIP	76272	ZIP + 4	
35. E-Mail Address:		jake@ddmcc.net						
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)			
(940) 726-1122					() -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

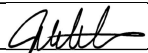
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review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

SECTION IV: Preparer Information

40. Name: Monique Wells, CIC Environmental, LLC		41. Title: Environmental Consultant	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 292- 4314		(512) 410- 3010	monique@cicenvironmental.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	DDM Materials, Inc.	Job Title:	VP
Name (In Print):	Jacob Markwardt	Phone:	(940) 726-1122
Signature:		Date:	07/24/24



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



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

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



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 checked="" 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)	<p>Have maintenance emissions been authorized? (Maintenance emissions are not included in this permit and must be approved under separate authorization.)</p> <p>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.)</p> <p>Will start-up and shutdown emissions exceed those expected during production operations?</p>	<p><input type="checkbox"/> YES <input checked="" 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> <p><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A</p>
(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)	<p>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?</p> <p>(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).</p>	<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 checked="" type="checkbox"/> Concrete Crusher
OPERATIONAL REQUIREMENTS <i>(continued)</i>		
(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? 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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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? (Equipment that is not a source of emissions does not require authorization.)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> 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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(3)(I)	Will all crushers be equipped with runtime meters and will the runtime meters be operating during crushing operations?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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? Will opacity of emissions from any crusher exceed 15 percent, averaged over a six-minute period as determined using EPA Test Method 9?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A
(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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A



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

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

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

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

www.tceq.texas.gov/permitting/air/nav/standard.html.

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

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

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

Rule	Question/Description	Response
116.614	Are the required fee and a copy of the check or money order provided with the application?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(1)	Will emissions from the facility comply with all applicable rules and regulations of the commission adopted under Texas Health and Safety Code, Chapter 382, and with the intent of the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(2)	Do you understand that all representations with regard to construction plans, operating procedures, and maximum emission rates in this registration become conditions upon which the facility will be constructed and operated?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(3)	Do you understand that all changes authorized by this registration need to be incorporated into the facility's permit if the facility is currently permitted under §116.110 (relating to Applicability)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>List all related permit numbers:</i>		
None		
116.615(9)617(e)(1)	Will all air pollution emission capture and abatement equipment be maintained in good working order?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(10)	Will the facility comply with all applicable rules and regulations of the TCEQ, the Texas Health and Safety Code, Chapter 382, and the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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AERIAL VIEW - 440 YARDS

SCALE:

660 ft
1320 ft

1985

Imagery Date: 5/18/2023

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Google Earth

Image © 2024 Airbus

Bare Essentials
 • **Orchard** By Rob O'Brien

Stonecreek Park

Stone Creek Park

Flinch Hills Resources

Martin Marietta - Euleless Ready Mix

Rush Truck Leasing

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12665 Call

PDM Materials, Inc.

alloway Cemetery

road service and



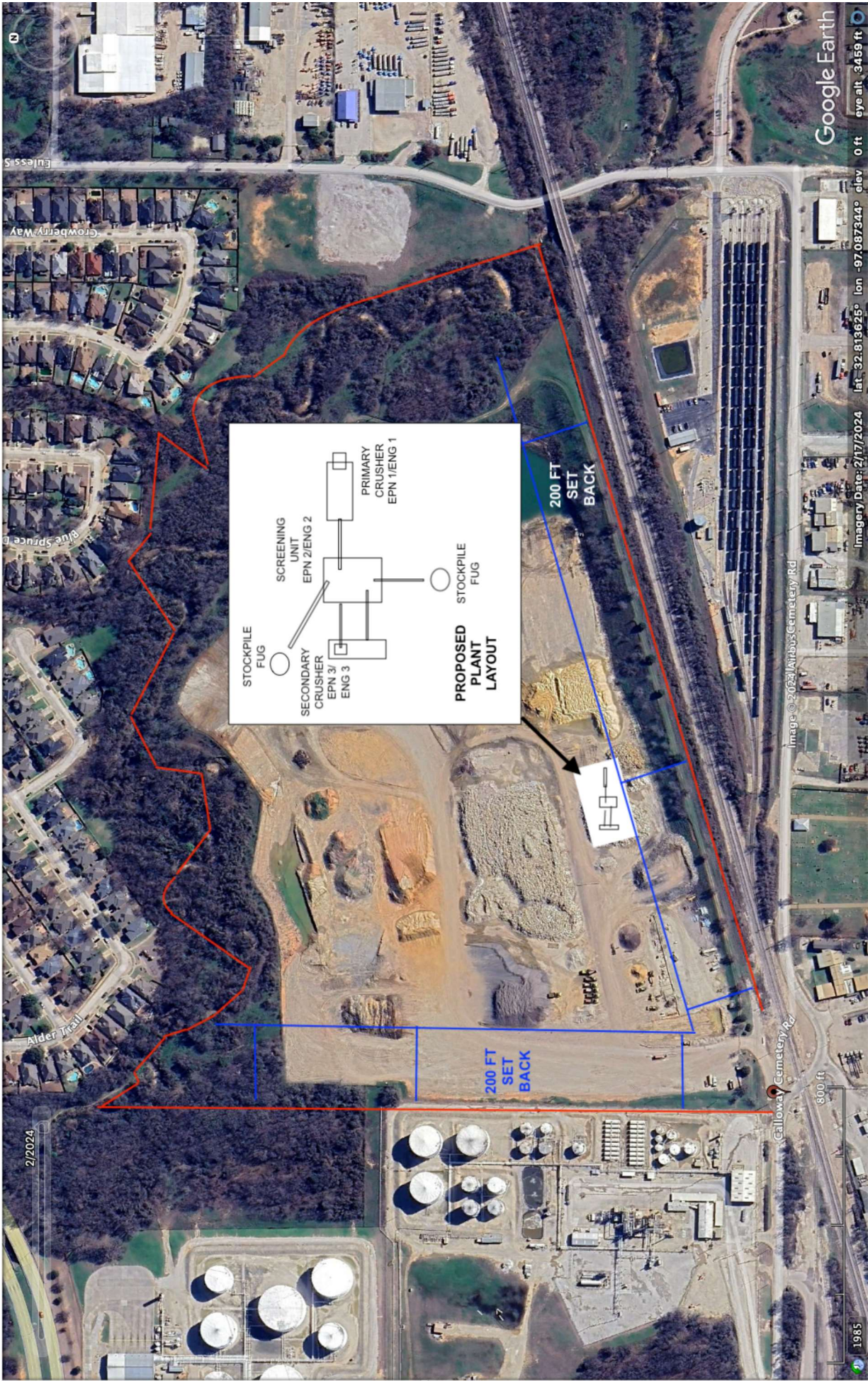
1998



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6321601

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Texas Commission on Environment Quality

Table 17
Rock Crushers

Please Complete the Following				
Maximum operating schedule:	10	hours/day	6	days/week
			44	weeks/year
Does the facility operate at night?			NOT TO EXCEED 2640 HOURS PER YEAR <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
Maximum Plant Production Rates:				
<input checked="" type="checkbox"/> Primary Crusher	Type: Impactor	200	tons/hour	528,000 tons/year
<input checked="" type="checkbox"/> Secondary Crusher(s)	Type: Cone	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): Avg 30 GPM				
Water Pressure at the Nozzle (psi): 15 - 20				
Number of Nozzles at each location: 3 - 5				
<i>If baghouse is used, attach a Table 11 "Fabric Filters."</i>				
Average material moisture content (%): 5%				
Maximum acreage covered by stockpiles (acres): ~ 10				
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

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Texas Commission on Environmental Quality
Table 29 Reciprocating Engines

I. Engine Data											
Manufacturer: SCANIA		Model No. DC09		Serial No. 086A		Manufacture Date: 2018					
Rebuilds Date: NONE		No. of Cylinders: 5		Compression Ratio: 17:1		EPN: ENG 1					
Application: <input 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 checked="" 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: 1200 - 2100			
Manufacture Horsepower Rating: 400						Proposed Horsepower Rating: 400					
Discharge Parameters											
Stack Height (Feet)		Stack Diameter (Feet)		Stack Temperature (°F)		Exit Velocity (FPS)					
17.5		4.134		766		25 Kg/min					
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 %): 500 PPM											
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
0.3		2.6			.267-E3	0.14			.463-E3	0.015	
Source of Emission Factors: <input type="checkbox"/> Manufacturer Data <input checked="" type="checkbox"/> AP-42 <input checked="" type="checkbox"/> Other (specify): Tier 4											
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 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

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Texas Commission on Environmental Quality
Table 29 Reciprocating Engines

I. Engine Data											
Manufacturer: SCANIA		Model No. DC09		Serial No. 086A-276		Manufacture Date: 2018					
Rebuilds Date: NONE		No. of Cylinders: 5		Compression Ratio: 16:1		EPN: ENG 3					
Application: <input 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 checked="" 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: 1200 - 2100			
Manufacture Horsepower Rating: 375						Proposed Horsepower Rating: 375					
Discharge Parameters											
Stack Height (Feet)		Stack Diameter (Feet)		Stack Temperature (°F)		Exit Velocity (FPS)					
17.5		4.134		766		24 Kg/min					
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 %): 500 PPM											
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
0.3		2.6			.267-E3	0.14			.463-E3	0.015	
Source of Emission Factors: <input type="checkbox"/> Manufacturer Data <input checked="" type="checkbox"/> AP-42 <input checked="" type="checkbox"/> Other (specify): Tier 4											
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 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).											

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**Texas Commission on Environmental Quality
Table 29 Reciprocating Engines**

I. Engine Data											
Manufacturer: CATERPILLAR		Model No. C4.4		Serial No.		Manufacture Date: 2018					
Rebuilds Date: NONE		No. of Cylinders: 4		Compression Ratio: 16.2:1		EPN: ENG 2					
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 checked="" 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 - 2400			
Manufacture Horsepower Rating: 111.3						Proposed Horsepower Rating: 82					
Discharge Parameters											
Stack Height (Feet)		Stack Diameter (Feet)		Stack Temperature (°F)		Exit Velocity (FPS)					
8.2		0.416		831		1448 CFM					
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):				Heat ing Value:				Lower Heating Value:			
Sulfur Content (grains/100 scf - weight %): Ultra Low Sulfur - Max 15 PPM											
III. Emission Factors (Before Control)											
NO_x		CO		SO₂		VOC		Formaldehyde		PM₁₀	
g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv	g/hp-hr	ppmv
2.98		2.6			2.05E	0.141			.463-E3	0.014	
Source of Emission Factors: <input type="checkbox"/> Manufacturer Data <input checked="" type="checkbox"/> AP-42 <input checked="" type="checkbox"/> Other (specify): Tier 3											
IV. Emission Factors (Post Control) [NOT APPLICABLE]											
NO_x		CO		SO₂		VOC		Formaldehyde		PM₁₀	
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 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. N/A 3. Submit description of air/fuel ratio control system (manufacturer information is acceptable). N/A											

Reset Form

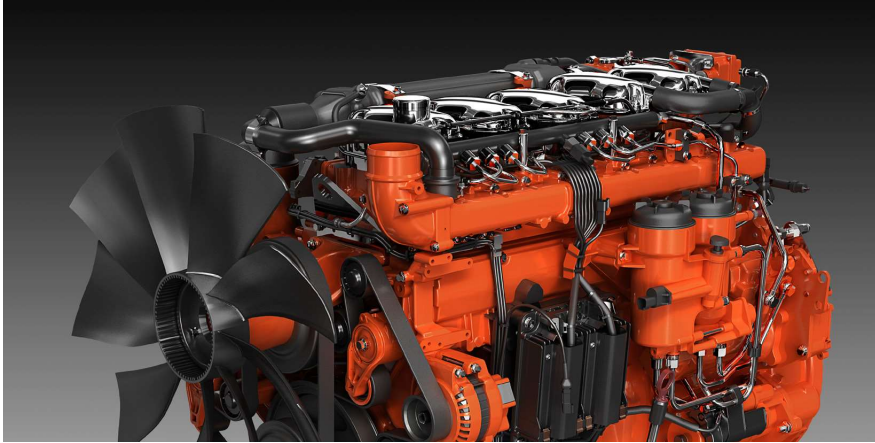
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SCANIA INDUSTRIAL ENGINES

DC09 086A. 294 kW (400 hp)

EU Stage IV, US Tier 4f



The industrial engines from Scania are based on a robust design with a strength optimised cylinder block containing wet cylinder liners that can easily be exchanged. Individual cylinder heads with 4 valves per cylinder promotes reparability and fuel economy.

The engine is equipped with a Scania developed Engine Management System, EMS, in order to ensure the control of all aspects related to engine performance. The injection system is Scania's XPI (Extra High Pressure Injection), a common rail system that in combination with SCR (Selective Catalytic Reduction) and EGR (Exhaust Gas Recirculation) gives low exhaust emissions with good fuel economy and a high torque. The engine can be fitted with many accessories such as air cleaners, silencers, PTOs and flywheels in order to suit a variety of installations.

	Rating	Engine speed (rpm)			
		1200	1500	1800	2100
Gross power (kW)	IFN	230	287	294	294
Gross power (hp, metric)	IFN	313	390	400	400
Gross torque (Nm)	IFN	1830	1827	1560	1337
Spec fuel consumption, Full load (g/kWh)		203	201	204	210
Spec fuel consumption, 3/4 load (g/kWh)		203	200	205	212
Spec fuel consumption, 1/2 load (g/kWh)		205	204	213	227
Reductant consumption, Full load (g/kWh)		13	17	15	15

IFN – Intermittent service: Rated output available 1 h/6 hours period.
Unlimited h/year service time at a load factor of 80%.

Note!

The fuel consumption values are valid when the engine uses fully warm after treatment system and in warm conditions. Fuel efficiency will be reduced during warm up and with colder ambient temperature, especially in combination with un-efficient thermal insulation of after treatment system.

Standard equipment

- Scania Engine Management System, EMS
- Extra high pressure fuel injection system, XPI
- Variable Geometry Turbocharger
- Fuel filter and extra pre-filter with water separator
- Fuel heater
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in cylinder block
- Oil filler in cylinder block
- Deep front oil sump
- Oil dipstick in cylinder block
- Magnetic drain plug for oil draining
- Starter motor, 1-pole 6.0 kW
- Alternator, 1-pole 100 A
- Flywheel, for use with friction clutch
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine suspension
- SCR system
- EGR system
- Open crankcase ventilation

Optional equipment

- Cooling package
- Puller and pusher fans
- Fan ring with sealing
- Hydraulic pump
- Air compressor
- AC compressor
- Side-mounted PTO
- Front-mounted PTO
- Exhaust connections
- Engine heater
- Flywheels: SAE11.5, SAE14, DANA15/16, DANA17 flexplate, ZF WG260
- Stiff rubber engine suspension
- Air cleaner
- Closed crankcase ventilation
- Studs in flywheel housing
- External thermostat for extra oil cooler
- Coolant level sensor
- Oil level sensor
- Low oil sump

This specification may be revised without notice.



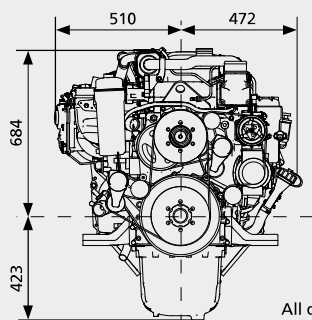
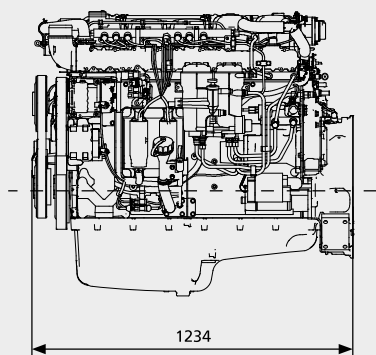
SCANIA INDUSTRIAL ENGINES

DC09 086A. 294 kW (400 hp)

EU Stage IV, US Tier 4f

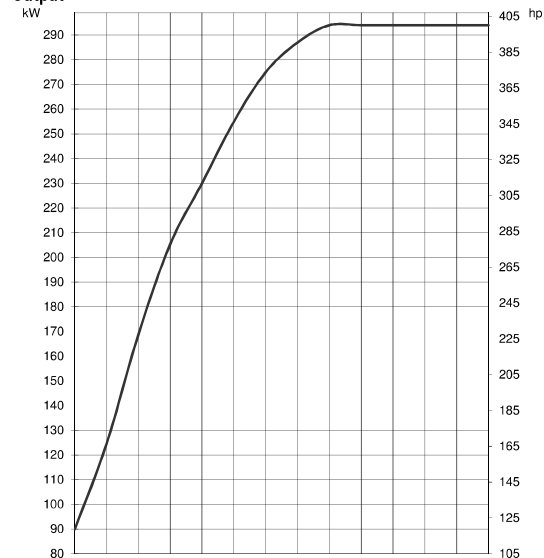
Engine description

No of cylinders	5 in-line
Working principle	4-stroke
Firing order	1 - 2 - 4 - 5 - 3
Displacement	9,3 litres
Bore x stroke	130 x 140 mm
Compression ratio	17:1
Weight	975 kg (excl oil and coolant)
Piston speed at 1500 rpm	7,0 m/s
Piston speed at 1800 rpm	8,4 m/s
Camshaft	High position alloy steel
Pistons	Aluminium pistons
Connection rods	I-section press forgings of alloy steel
Crankshaft	Alloy steel with hardened and polished bearing surfaces
Oil capacity	31-36 dm ³
Electrical system	1-pole 24 V DC

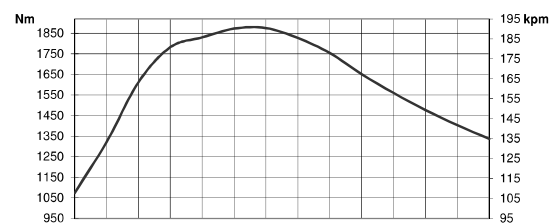


All dimensions in mm

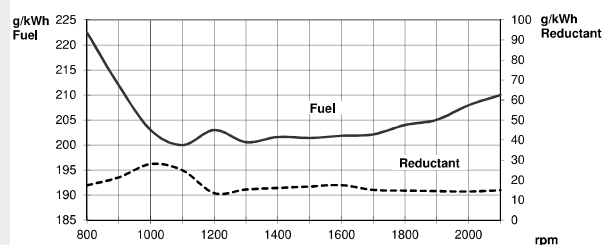
Output



Torque



Spec fuel and reductant consumption



Test conditions Air temperature +25°C, Barometric pressure 100 kPa (750 mmHg), Humidity 30%, Diesel fuel acc. to ECE R 24 Annex 6, Density of fuel 0,840 kg/dm³, Viscosity of fuel 3,0 cSt at 40°C, Energy value 42700 kJ/kg. Power test code ISO 3046, Power and fuel values +/-3%.



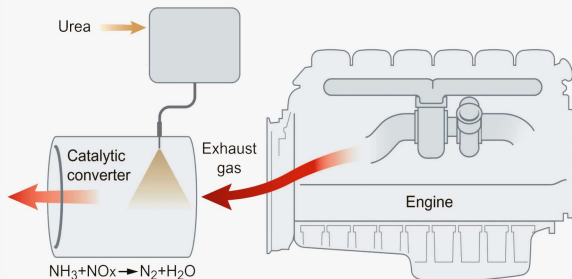
SCANIA

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SCR system

EU Stage IV, US Tier 4f

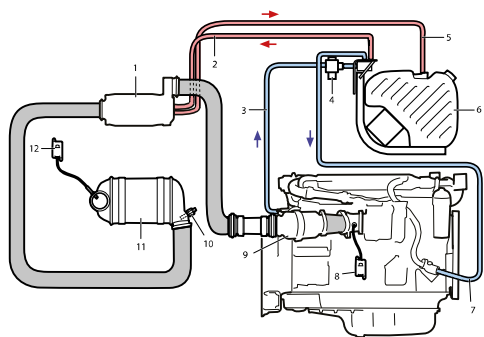


Working principle for Scania's SCR system

SCR (Selective Catalytic Reduction) technology is used on Scania's engines for EU Stage IV and US Tier 4f, to reduce NO_x content in the exhaust gases. A chemical process is started by injecting reductant, a mixture of urea and water, into the exhaust gas stream. During injection, the water evaporates and the urea breaks down to form ammonia. The ammonia then reacts with the nitrogen gases in the catalytic converter and forms harmless nitrogen gas and water. Using SCR, exhaust gases are purged of poisonous levels of NO_x in a highly efficient way. Scania makes use of a system that is carefully developed and tested in our own laboratory.

The reductant tank is available in different sizes. It is heated by the engine cooling system in order to avoid freezing of the urea solution; urea freezes at -11°C . The reductant tank and a pump are delivered as a unit, which is fitted with brackets for easy installation. The Scania system contains all necessary mechanical and electrical parts, except exhaust piping, which is to be adapted to the customer's installation.

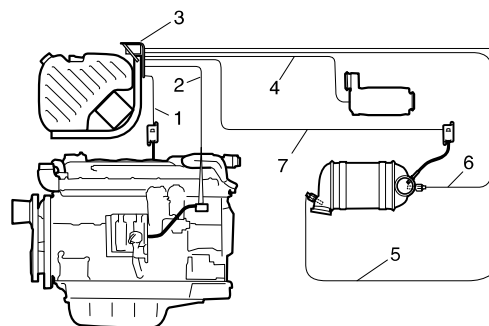
Mechanical system



	Standard	Optional
1 Evaporator	✓	-
2 Reductant pressure hose	2,5 m	4 m, 5 m, 6,5 m
3 Coolant hose for heating of reductant tank and pump	-	-
4 Coolant valve	✓	-
5 Reductant return hose	2,5 m	4 m, 5 m, 6,5 m
6 Reductant tank	38 l	45 l, 60 l, 63 l, 70 l
7 Coolant hose, return from heating of tank and pump	-	-
8 NO_x sensor with control unit	✓	-
9 Oxidation catalytic converter*	Engine-mounted	Separately
10 Exhaust temperature sensor	✓	-
11 SCR catalytic converter	✓	-
12 NO_x sensor with control unit	✓	-

*Not DC13 085A or DC16.

Electrical system



	Standard	Optional
1 Electrical cable between engine and SCR control unit	3 m	4,5 m, 6 m
2 NO_x sensor electrical cable	3 m	4,5 m, 6 m
3 Electrical interface to SCR system	✓	-
4 Reductant doser electrical cable	3 m	4,5 m, 6 m
5 Temperature sensor electrical cable	3 m	4,5 m, 6 m, 9 m
6 Temperature sensor electrical cable*	3 m	4,5 m, 6 m, 9 m
7 NO_x sensor electrical cable	3 m	4,5 m, 6 m, 9 m

*Only US Tier 4f compliant engines.



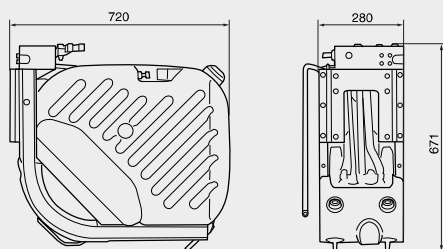
SCR system

EU Stage IV, US Tier 4f

Reductant tank 38 litres

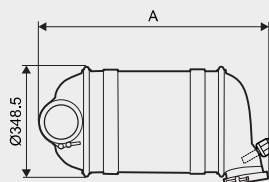
Total volume: 50 litres

Filling volume: 38 litres



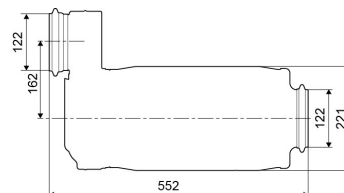
Other available sizes: 45 litres (total volume 60 litres)
60 litres (total volume 75 litres)
63 litres (total volume 80 litres)
70 litres (total volume 90 litres)

SCR catalytic converter

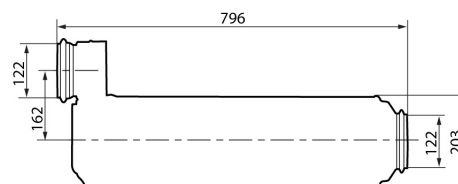


Engine	Dimensions A (mm)
DC09 (202 kW-257 kW)	786
DC09 (276 kW-294 kW)	900
DC13 (257 kW-331 kW)	900
DC13 (368 kW-405 kW)	970
DC16	970

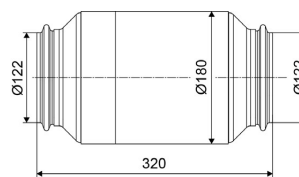
Evaporator (DC09 and DC13)



Evaporator (DC16)



Oxidation catalytic converter (not DC13 085A or DC16)

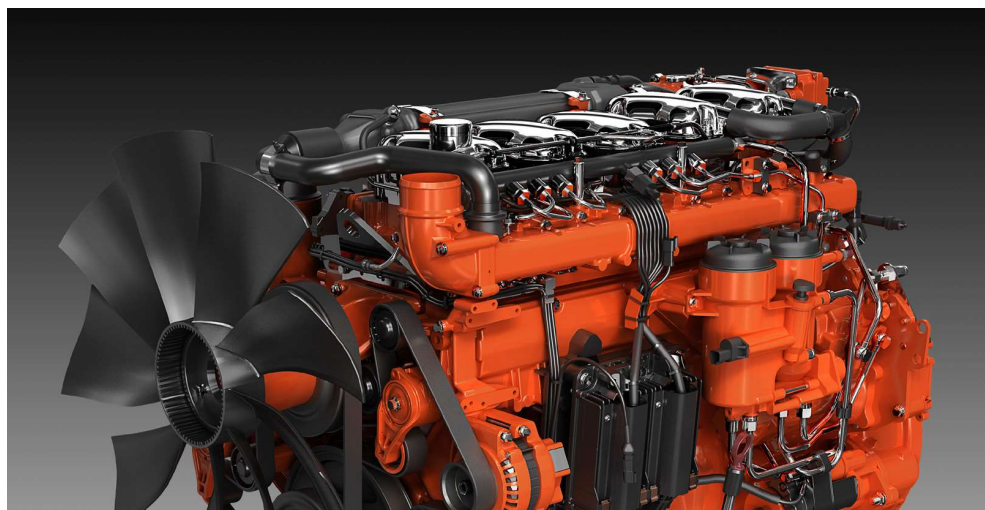


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DC09 086A. 276 kW (375 hp)

US Tier 4F, EU Stage IV



The industrial engines from Scania are based on a robust design with a strength optimised cylinder block containing wet cylinder liners that can easily be exchanged. Individual cylinder heads with 4 valves per cylinder promotes repairability and fuel economy.

The engine is equipped with a Scania developed Engine Management System, EMS, in order to ensure the control of all aspects related to engine performance. The injection system is Scania's XPI (Extra High Pressure Injection), a common rail system that in combination with SCR (Selective Catalytic Reduction) and EGR (Exhaust Gas Recirculation) gives low exhaust emissions with good fuel economy and a high torque. The engine can be fitted with many accessories such as air cleaners, silencers, PTOs and flywheels in order to suit a variety of installations.

	Rating	Engine speed (rpm)			
		1200	1500	1800	2100
Gross power (kW)	IFN	230	276	276	276
Gross power (hp, metric)	IFN	313	375	375	375
Gross torque (Nm)	IFN	1830	1757	1464	1255
Spec fuel consumption. Full load (g/kWh)		197	197	200	208
Spec fuel consumption. 3/4 load (g/kWh)		201	194	199	211
Spec fuel consumption. 1/2 load (g/kWh)		202	202	208	227
Reductant consumption. Full load (g/kWh)		32	20	15	15

IFN – Intermittent service: Rated output available 1 h/6 hours period.
Unlimited h/year service time at a load factor of 80%.

Note!

The fuel consumption values are valid when the engine uses fully warm after treatment system and in warm conditions. Fuel efficiency will be reduced during warm up and with colder ambient temperature, especially in combination with un-efficient thermal insulation of after treatment system.

Standard equipment

- Scania Engine Management System, EMS
- Extra high pressure fuel injection system, XPI
- Turbocharger (VGT)
- Fuel filter and extra pre-filter with water separator
- Fuel heater
- Oil filter, full flow
- Centrifugal oil cleaner
- Oil cooler, integrated in block
- Oil filler, in valve cover
- Deep front oil sump
- Oil dipstick, in block
- Magnetic drain plug for oil draining
- Starter, 1-pole 6.0 kW
- Alternator, 1-pole 100A
- Flywheel, for use with friction clutch
- Silumin flywheel housing, SAE 1 flange
- Front-mounted engine brackets
- SCR system
- EGR system
- Open crankcase ventilation
- Operator's manual

Optional equipment

- Cooling package
- Puller and pusher fans
- Fan ring with sealing
- Hydraulic pump
- Air compressor
- AC compressor
- Side-mounted PTO
- Front-mounted PTO
- Exhaust connections
- Electrical base system
- Control and instrument panels
- Accelerator position sensor
- Engine heater
- Flywheels: SAE11.5, SAE14, DANA15/16, DANA17 flexplate, ZF WG260
- Stiff rubber engine suspension
- Air cleaner
- Closed crankcase ventilation
- Studs in flywheel housing
- External thermostat for extra oil cooler
- Low coolant level reaction
- Variable idle speed setting
- Low oil sump
- Oil level sensor

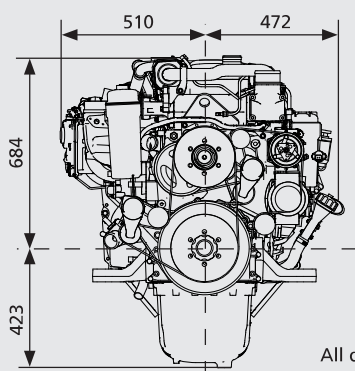
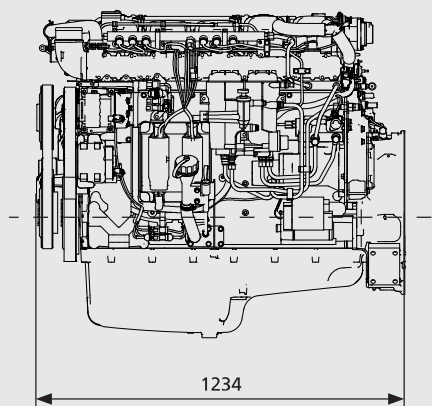
This specification may be revised without notice.

DC09 086A. 276 kW (375 hp)

US Tier 4F, EU Stage IV

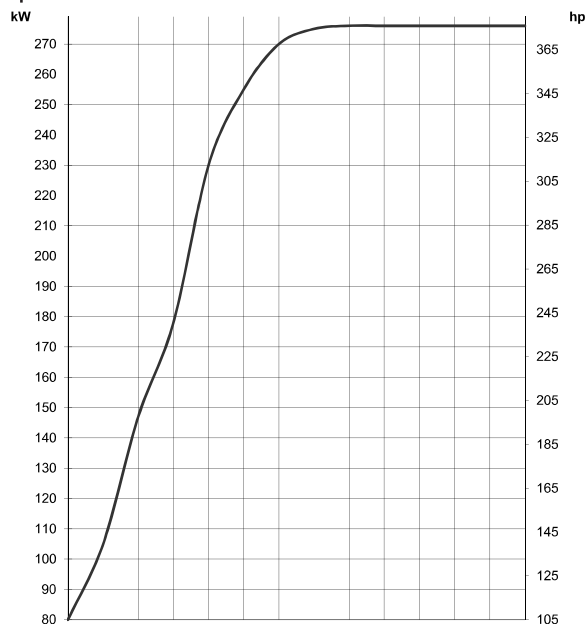
Engine description

No of cylinders	5 in-line
Working principle	4-stroke
Firing order	1 - 2 - 4 - 5 - 3
Displacement	9,3 litres
Bore x stroke	130 x 140 mm
Compression ratio	16:1
Weight	950 kg (excl oil and coolant)
Piston speed at 1500 rpm	7.0 m/s
Piston speed at 1800 rpm	8.4 m/s
Camshaft	High position alloy steel
Pistons	Aluminium pistons
Connection rods	I-section press forgings of alloy steel
Crankshaft	Alloy steel with hardened and polished bearing surfaces
Oil capacity	32-38 dm ³
Electrical system	1-pole 24V



All dimensions in mm

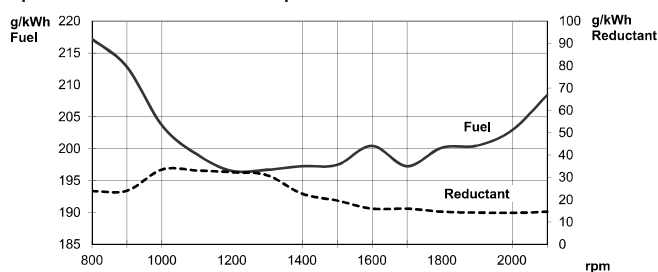
Output



Torque



Spec fuel and reductant consumption



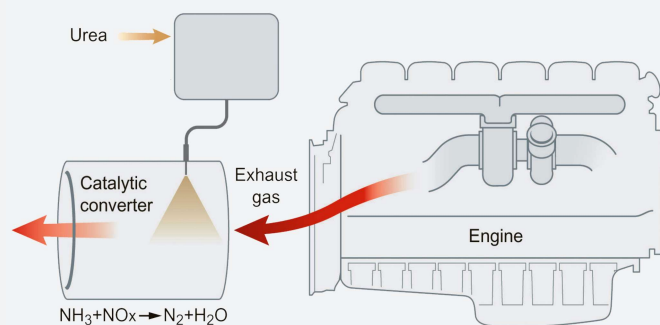
Test conditions Air temperature +25°C. Barometric pressure 100 kPa (750 mmHg). Humidity 30%. Diesel fuel acc. to ECE R 24 Annex 6. Density of fuel 0.840 kg/dm³. Viscosity of fuel 3.0 cSt at 40°C. Energy value 42700 kJ/kg. Power test code ISO 3046. Power and fuel values +/-3%.



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SCR system

EU Stage IV, US Tier 4f

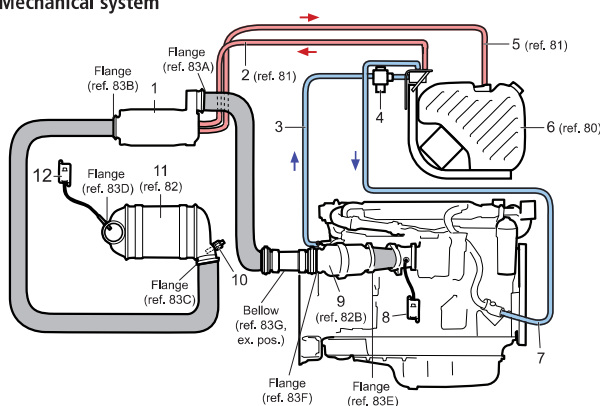


The principle for Scania SCR system

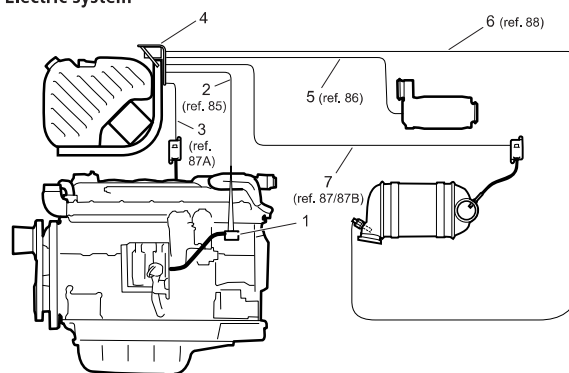
SCR (Selective Catalytic Reduction) technology is used on Scania's engines for Stage IV and Tier 4F to reduce the NO_x content in the exhaust gases. A chemical process is started by injecting reductant, a urea and water mixture, into the exhaust gas stream. During injection the water evaporates and the urea breaks down to form ammonia. The ammonia then reacts with the nitrogen gases in the catalytic converter and forms harmless products such as nitrogen gas and water. Through the use of SCR the exhaust gases are purged of poisonous levels of NO_x in the best possible way. Scania is making use of a system that is carefully developed and tested in our own laboratory.

The reductant tank holds 38, 60 or 69 litres and is heated by the engine's cooling system in order to avoid freezing of the urea solution, urea freezes at -11°C . The reductant tank and a pump module are delivered as a unit which is fitted to brackets for an easy installation. The Scania system contains all mechanical and electrical parts needed except from the exhaust piping which is to be adapted according to the customers installation.

Mechanical system



Electric system



	Mechanical system	Standard	Optional
1	Evaporator module	✓	-
2	Reductant pressure line	2 m	3.5 m, 4.5 m, 6 m
3	Coolant hose for tank and pump heating	-	-
4	Coolant valve	✓	-
5	Reductant fluid return line	2 m	3.5 m, 4.5 m, 6 m
6	Reductant tank	38 l	60 l, 69 l
7	Coolant hose, return from tank and pump heating	-	-
8	NO_x sensor with control unit	✓	-
9	Oxidation catalytic converter ¹⁾	Engine-mounted	Separately
10	Temperature sensor	✓	-
11	SCR catalyst	✓	-
12	NO_x sensor with control unit	✓	-

1) Not DC13 085A or DC16.

This specification may be revised without notice.

	Electric system	Standard	Optional
1	Customer interface, SCR system	✓	-
2	Pipe network between engine and SCR control unit	3 m	4.5 m, 6 m
3	NO_x sensor electrical cable	3 m	4.5 m, 6 m
4	Electrical interface, SCR system	✓	-
5	Reductant doser electrical cable	3 m	4.5 m, 6 m
6	Temperature sensor electrical cable	3 m	4.5 m, 6 m
7	NO_x sensor electrical cable	3 m	4.5 m, 6 m

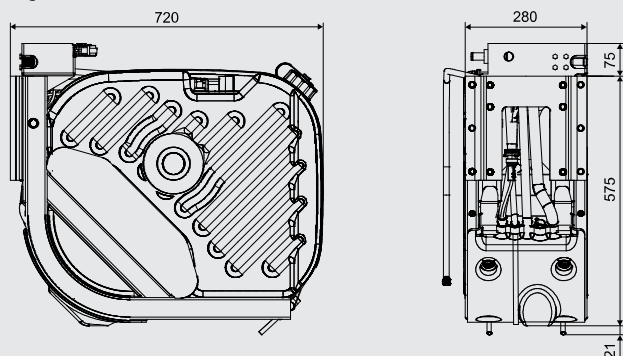
SCR system

EU Stage IV, US Tier 4f

Reductant tank - 38 litres

Total volume: 50 litres

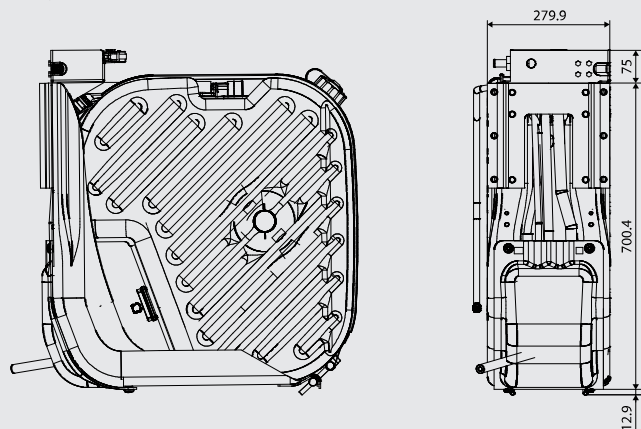
Filling volume: 38 litres



Reductant tank - 60 litres

Total volume: 75 litres

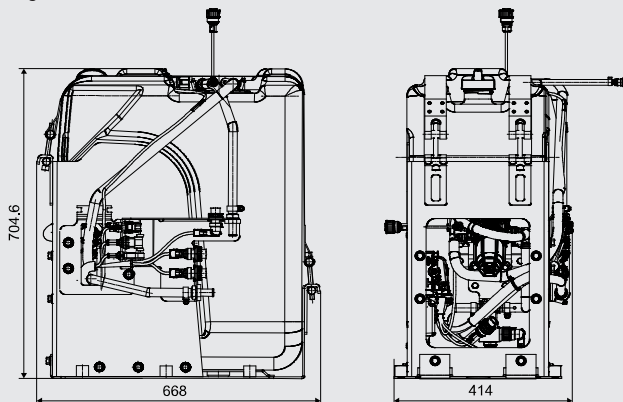
Filling volume: 60 litres



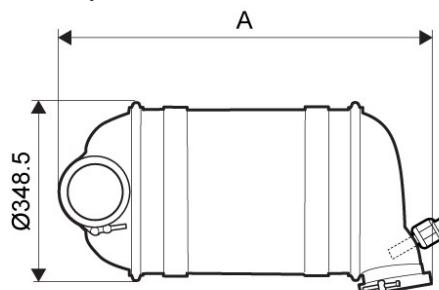
Reductant tank - 69 litres

Total volume: 80 litres

Filling volume: 69 litres

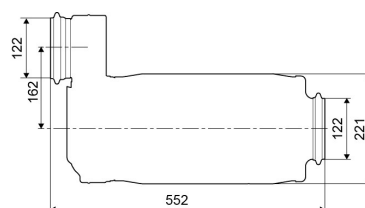


SCR catalyst

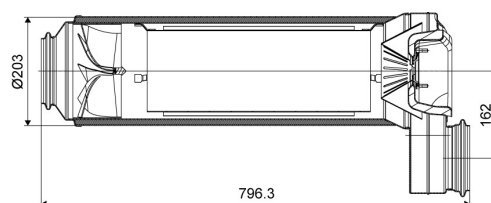


Engine	Dimensions A (mm)
DC09 84 / 85 / 87 / 89	786
DC09 86	900
DC13 84 / 87 / 89	900
DC13 85	970
DC16	970

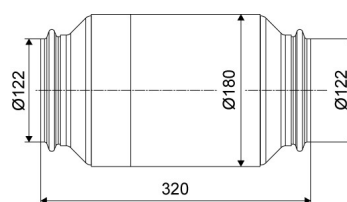
Evaporator module (DC9 and DC13)



Evaporator module (DC16)



Oxidation catalytic converter (not DC13 085A or DC16)



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EQUIPMENT	SPECIFICATIONS	BENEFITS & FEATURES
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OVERVIEW

The Cat[®] C4.4 Naturally Aspirated (NA) Industrial Diesel Engine is offered in ratings ranging from 54-56 kW (72.4-75 bhp) @ 2200 rpm. These ratings meet EU Stage IIIA equivalent emission standards. Turbocharged (T) and Turbocharged Aftercooled (TA) Ratings are also available, ranging from 55.5-83 kW (74.4-111.3 bhp) @ 2200-2400 rpm. These ratings meet U.S. EPA Tier 3 equivalent, EU Stage IIIA equivalent emission standards. Industries and applications powered by C4.4 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.

POWER RATING		UNITS:	US	METRIC
Minimum Power	72.4 bhp			
Maximum Power	111.3 bhp			
Rated Speed	2200-2400 rpm			

EMISSION STANDARDS	
Emissions	EU Stage IIIA Equivalent (NA). U.S. EPA Tier 3 Equivalent, EU Stage IIIA Equivalent (T, TA)

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	Naturally Aspirated (NA), 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	663 mm (26.1 in)
Width	470-620 mm (18.5-24.4 in)
Height	775-810 mm (30.5-31.9 in)
Weight, Net Dry (Basic Operating Engine Without Optional Attachments)	291-306 kg (640-674.6 lb)

DDM Materials, 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.

DDM Materials, Inc.
Compliance with State and Federal Rules and Regulations

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 DDM Materials, 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 (SO₂) requirements of 30 TAC Chapter 112 because the diesel engine / generator set at the site has the potential to emit SO₂. However, based on previous worst case model results for diesel engines / generator sets associated with rock crushers, the SO₂ 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.

DDM Materials, Inc.
Compliance with State and Federal Rules and Regulations

- 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. DDM Materials, 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 (NO_x). 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/PM_{2.5}, SO₂, CO, and NO_x. 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."*

DDM Materials, Inc.
Compliance with State and Federal Rules and Regulations

DDM Materials, 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 DDM Materials, 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*

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

DDM Materials, 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 this 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,*

DDM Materials, Inc.
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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:

DDM Materials, 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.

DDM Materials, Inc. Recordkeeping

DDM Materials, 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.

Texas Commission on Environmental Quality

Standard Permit New Registration

Site Information (Regulated Entity)

What is the name of the site to be authorized?	Rock Crushing Plant - Calloway, Euless Site
Does the site have a physical address?	Yes
Physical Address	
Number and Street	12665 CALLOWAY CEMETERY RD
City	EULESS
State	TX
ZIP	76040
County	TARRANT
Latitude (N) (##.#####)	32.812476
Longitude (W) (-###.#####)	-97.089777
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)?	Rock Crushing Plant - Calloway, Euless Site
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	12665 CALLOWAY CEMETERY RD
City	EULESS
State	TX
ZIP	76040
County	TARRANT
Latitude (N) (##.#####)	32.812476
Longitude (W) (-###.#####)	-97.089777
Facility NAICS Code	
What is the primary business of this entity?	Crushing recycle material

Customer (Applicant) Information

How is this applicant associated with this site?	Owner Operator
What is the applicant's Customer Number (CN)?	CN605223866
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	DDM Materials, Inc.
Texas SOS Filing Number	802326413
Federal Tax ID	475550919
State Franchise Tax ID	32058768816
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	DDM Materials, Inc.
Prefix	MR
First	Jacob
Middle	
Last	Markwardt
Suffix	
Credentials	
Title	VP
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 245
Routing (such as Mail Code, Dept., or Attn:)	
City	VALLEY VIEW
State	TX
ZIP	76272
Phone (###-###-####)	9407261122
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jake@ddmcc.net

Responsible Official Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	CN605223866, DDM Materials, Inc.
Organization Name	DDM Materials, Inc.
Prefix	MR
First	Jacob
Middle	
Last	Markwardt
Suffix	
Credentials	
Title	VP
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 245
Routing (such as Mail Code, Dept., or Attn:)	
City	VALLEY VIEW
State	TX
ZIP	76272

Phone (###-###-####)

9407261122

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

jake@ddmcc.net

Technical Contact

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

Mailing Address (include Suite or Bldg. here, if applicable)

PO BOX 151000

Routing (such as Mail Code, Dept., or Attn:)

City

AUSTIN

State

TX

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 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

Cover Letter and Supporting Docs - Euleess PDF.pdf

Hash	B55DF495FC9B272A30C3681A15E9E3E36962FF7469AA36F747D45B155D7A7599
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 Jacob Markwardt, the owner of the STEERS account ER075083.
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: Jacob Markwardt OWNER OPERATOR

Account Number:	ER075083
Signature IP Address:	4.59.120.178
Signature Date:	2024-08-06
Signature Hash:	AF89FC4D5987C064668BE2A627CFD3188DB4FC0F2271AD4C14C2CF8E6E4C228B
Form Hash Code at time of Signature:	5AFE568C6BA2C3E83C93D464E38754117CE69F229B01546601995C2E0F676A84

Fee Payment

Transaction by:	The application fee payment transaction was made by ER075083/Jacob Markwardt
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Paid by:	The application fee was paid by JAKE MARKWARDT
Fee Amount:	\$900.00
Paid Date:	The application fee was paid on 2024-08-06
Transaction/Voucher number:	The transaction number is 582EA000620401 and the voucher number is 716019

Submission

Reference Number:	The application reference number is 673011
Submitted by:	The application was submitted by ER015363/Monique Wells
Submitted Timestamp:	The application was submitted on 2024-08-06 at 12:11:43 CDT
Submitted From:	The application was submitted from IP address 136.62.202.29
Confirmation Number:	The confirmation number is 555432
Steers Version:	The STEERS version is 6.79

Additional Information

Application Creator: This account was created by Monique Wells