# 608 Ave E

Congressman Tony Gonzales
U.S. Congressional District 23

Representative Wes Virdell
Texas House District 53

Senator Roland Gutierrez
Texas Senate District 19

Mr. Gustavo Reveles
State Board of Education District 1

Senator John Cornyn
U.S. Senate

Senator Ted Cruz
U.S. Senate

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 15, 2025

THE HONORABLE ROLAND GUTIERREZ
TEXAS SENATE
PO BOX 12068
AUSTIN TX 78711-2068

Re: Small Business Stationary Source Registration under an Air Quality Standard Permit for Concrete Batch Plants
Concrete Batch Plant

Dear Senator Gutierrez:

Pursuant to the requirements of Section 382.0516 of the Texas Clean Air Act, Texas Health and Safety Code, Chapter 382, this letter is to notify you of the recent receipt of an application for an air quality standard permit registration for a concrete batch plant which is located in your district. The status of all pending air quality applications may be viewed by visiting our agency Web site at www2.tceq.texas.gov/airperm/index.cfm.

Jl Ready Mix Concrete, LLC, P.O. Box 779, Ozona, Texas 76943-0779, has applied to construct a Concrete Batch Plant located at 608 State Highway 163, Ozona, Crockett County, Texas 76943. This application is being processed in an expedited manner, as allowed by the commission's rules in 30 Texas Administrative Code, Chapter 101, Subchapter J. The following link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.209211,30.684143&level=13. The Air Quality Permit Number is 180823.

If you need further information or have any questions, please call Mr. Joe Nicosia at (512) 239-1644 or write him at the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Nancy Birdsong, Team Leader
Air Permits Initial Review Team
Air Permits Division

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 15, 2025

THE HONORABLE FRANK TAMBUNGA
CROCKETT COUNTY JUDGE
PO BOX 1857
OZONA TX 76943

Re: Small Business Stationary Source Registration under an Air Quality Standard Permit for Concrete Batch Plants
Concrete Batch Plant

Dear Judge Tambunga:

Pursuant to the requirements of Section 382.0516 of the Texas Clean Air Act, Texas Health and Safety Code, Chapter 382, this letter is to notify you of the recent receipt of an application for an air quality standard permit registration for a concrete batch plant which is located in your county. The status of all pending air quality applications may be viewed by visiting our agency Web site at www2.tceq.texas.gov/airperm/index.cfm.

Jl Ready Mix Concrete, LLC, P.O. Box 779, Ozona, Texas 76943-0779, has applied to construct a Concrete Batch Plant located at 608 State Highway 163, Ozona, Crockett County, Texas 76943. This application is being processed in an expedited manner, as allowed by the commission's rules in 30 Texas Administrative Code, Chapter 101, Subchapter J. The following link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.209211,30.684143&level=13. The Air Quality Permit Number is 180823.

If you need further information or have any questions, please call Mr. Joe Nicosia at (512) 239-1644 or write him at the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Nancy Birdsong, Team Leader
Air Permits Initial Review Team
Air Permits Division

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

July 15, 2025

THE HONORABLE WES VIRDELL
TEXAS HOUSE OF REPRESENTATIVES
PO BOX 2910
AUSTIN TX 78768-2910

Re: Small Business Stationary Source Registration under an Air Quality Standard Permit for Concrete Batch Plants
Concrete Batch Plant

Dear Representative Virdell:

Pursuant to the requirements of Section 382.0516 of the Texas Clean Air Act, Texas Health and Safety Code, Chapter 382, this letter is to notify you of the recent receipt of an application for an air quality standard permit registration for a concrete batch plant which is located in your district. The status of all pending air quality applications may be viewed by visiting our agency Web site at www2.tceq.texas.gov/airperm/index.cfm.

Jl Ready Mix Concrete, LLC, P.O. Box 779, Ozona, Texas 76943-0779, has applied to construct a Concrete Batch Plant located at 608 State Highway 163, Ozona, Crockett County, Texas 76943. This application is being processed in an expedited manner, as allowed by the commission's rules in 30 Texas Administrative Code, Chapter 101, Subchapter J. The following link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-101.209211,30.684143&level=13. The Air Quality Permit Number is 180823.

If you need further information or have any questions, please call Mr. Joe Nicosia at (512) 239-1644 or write him at the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Nancy Birdsong, Team Leader
Air Permits Initial Review Team
Air Permits Division

## Resumen en Lenguaje Sencillo del Permiso Estándar para Plantas de Hormigón
## Solicitud de Permiso Estándar para Plantas de Hormigón Número de Registro (180823)

*El siguiente resumen se proporciona para esta solicitud de permiso de aire pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas, según lo dispuesto en el capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son representaciones federales ejecutables de la solicitud de permiso.*

JL Ready Mix Concrete, LLC (CN605808252) ha presentado una solicitud para registrar una planta de concreto permanente bajo el Permiso Estándar de Calidad del Aire para Plantas de Concreto con número de registro (180823). La planta de concreto (RN112245881) se ubicará en 608 State Highway 163, Ozona, Condado de Crockett, Texas 76943.

Este registro autorizará a la planta mezcladora de concreto a tener una tasa máxima de producción de 200 yardas cúbicas por hora de concreto y operar hasta 8,760 horas al año. Se emitirán partículas en suspensión provenientes del manejo de agregados, cemento y cenizas volantes. El motor/generador que alimenta la planta emitirá productos de combustión, incluyendo partículas en suspensión, monóxido de carbono, óxidos de nitrógeno, compuestos orgánicos y dióxido de azufre. Las carreteras y áreas de tránsito se controlarán mediante riego/pavimentación para controlar el polvo. El polvo proveniente de las pilas de almacenamiento se minimizará mediante riego. Se utilizarán recintos y colectores de polvo, incluyendo una cámara de filtros central, para controlar el polvo de cemento y cenizas volantes.

## Plain Language Summary for Concrete Batch Plant Standard Permit
## Application for Concrete Batch Plant Standard Permit Registration Number (180823)

*The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.*

JL Ready Mix Concrete, LLC (CN605808252) has submitted an application to register a permanent concrete batch plant under the Air Quality Standard Permit for Concrete Batch Plants for registration number (180823). The concrete batch plant (RN112245881) is proposed to be located at 608 State Highway 163 Ozona, Crockett County, Texas 76943.

This registration will authorize the concrete batch plant to have a maximum production rate of 200 cubic yards per hour of concrete and operate up to 8,760 hours per year. Particulate matter will be emitted from the handling of aggregate, cement, and fly ash. Products of combustion including particulate matter, carbon monoxide, oxides of nitrogen, organic compounds, and sulfur dioxide will be emitted from the engine/generator powering the facility. Roads and traffic areas will be controlled by watering them/paving them to control dust. Dust from stockpiles will be minimized by watering. Enclosures and dust collectors, including a central baghouse, will be used to control cement and fly ash dust.

**Texas Commission on Environmental Quality**

Standard Permit New Registration

## Site Information (Regulated Entity)

| | |
|---|---|
| What is the name of the site to be authorized? | SH 163 CBP |
| Does the site have a physical address? | Yes |
| **Physical Address** | |
| Number and Street | 608 State Highway 163 |
| City | Ozona |
| State | TX |
| ZIP | 76943 |
| County | CROCKETT |
| Latitude (N) (##.######) | 30.684143 |
| Longitude (W) (-###.######) | -101.209211 |
| Primary SIC Code | 3273 |
| Secondary SIC Code | |
| Primary NAICS Code | 327320 |
| Secondary NAICS Code | |
| **Regulated Entity Site Information** | |
| What is the Regulated Entity's Number (RN)? | |
| What is the name of the Regulated Entity (RE)? | SH 163 CBP |
| Does the RE site have a physical address? | Yes |
| **Physical Address** | |
| Number and Street | 608 State Highway 163 |
| City | Ozona |
| State | TX |
| ZIP | 76943 |
| County | CROCKETT |
| Latitude (N) (##.######) | 30.684143 |
| Longitude (W) (-###.######) | -101.209211 |
| Facility NAICS Code | 327320 |
| What is the primary business of this entity? | Construction Materials |

## Customer (Applicant) Information

| | |
|---|---|
| How is this applicant associated with this site? | Owner Operator |
| What is the applicant's Customer Number (CN)? | CN605808252 |
| Type of Customer | Corporation |
| **Full legal name of the applicant:** | |
| Legal Name | JI Ready Mix Concrete, LLC |
| Texas SOS Filing Number | 803030290 |
| Federal Tax ID | |
| State Franchise Tax ID | 32067339344 |
| 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 | JI Ready Mix Concrete, LLC |
| Prefix | MR |
| First | Oscar |
| Middle | |
| Last | Acosta |
| Suffix | |
| Credentials | |
| Title | Manager |
| **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 779 |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | OZONA |
| State | TX |
| ZIP | 76943 |
| Phone (###-###-####) | 3253922404 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | info@jlreadymixconcrete.com |

## Responsible Official Contact

| **Person TCEQ should contact for questions about this application:** | |
|---|---|
| Same as another contact? | CN605808252, JI Ready Mix Concrete, LLC |
| Organization Name | JL Ready Mix Concrete LLC |
| Prefix | MR |
| First | Oscar |
| Middle | |
| Last | Acosta |
| Suffix | |
| Credentials | |
| Title | Manager |
| Enter new address or copy one from list: | |
| **Mailing Address** | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | PO BOX 779 |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | OZONA |
| State | TX |
| ZIP | 76943 |
| Phone (###-###-####) | 3253922404 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | |
| E-mail | info@jlreadymixconcrete.com |

## Technical Contact

| **Person TCEQ should contact for questions about this application:** | |
|---|---|
| Same as another contact? | |
| Organization Name | Elm Creek Environmental LLC |
| Prefix | MR |
| First | Josh |
| Middle | |
| Last | Butler |
| Suffix | |

| | |
|---|---|
| Credentials | |
| Title | Environmental Services Manager |
| Enter new address or copy one from list: | |
| **Mailing Address** | |
| Address Type | Domestic |
| Mailing Address (include Suite or Bldg. here, if applicable) | 611 S HIGHWAY 78 STE 132 |
| Routing (such as Mail Code, Dept., or Attn:) | |
| City | WYLIE |
| State | TX |
| ZIP | 75098 |
| Phone (###-###-####) | 4699468195 |
| Extension | |
| Alternate Phone (###-###-####) | |
| Fax (###-###-####) | 4697164019 |
| E-mail | Josh@elmcreekenv.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: | CONCRETE BATCH PLANTS |
| 3.1) Select the rule associated to the unit specified. | 6004 |
| 3.2) Is this a portable facility moving to a site for support of a public works project in which the proposed site is located in or contiguous to the right-of-way of the public works project? | No |
| 3.3) Is this a portable facility moving to a site in which a portable facility was located at the site at any time during the previous two years and was the site subject to public notice? | No |

## Standard Permit Attachments

| | |
|---|---|
| Attach PI-1S-CBP Registration Form | |
| [File Properties] | |
| File Name | PI-1S-CBP.xlsx |
| Hash | 519335AC7916529A03557DC4D58A96C6200847020C3C937C3354B0BB7357B9B2 |
| MIME-Type | application/vnd.openxmlformats-officedocument.spreadsheetml.sheet |
| Confidential | No |

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

| | |
|---|---|
| [File Properties] | |
| File Name | Final App.pdf |
| Hash | 6E03CA5FA351F251BB9BA101159A53B08FD76FA2CC2E4C684F27F7327850FB20 |
| MIME-Type | application/pdf |
| Confidential | No |
| [File Properties] | |
| File Name | PLS_English.docx |
| Hash | A12319D9AC7BE6CB62A128888F0A51C823BCF075954F075CA20655CCD4BA4C68 |
| MIME-Type | application/vnd.openxmlformats-officedocument.wordprocessingml.document |
| Confidential | No |
| [File Properties] | |
| File Name | PLS_Spanish.docx |
| Hash | 1390961C96167356AF517A4141AE6F667951FEB2EDA2514C788433EAB9CEC81D |
| MIME-Type | application/vnd.openxmlformats-officedocument.wordprocessingml.document |
| Confidential | No |

## Expedite

| | |
|---|---|
| Per Texas Health and Safety Code, Section 382.05155, does the applicant want to expedite the processing of this application? | Yes |
| Can the applicant demonstrate that the purpose of this application will benefit the economy of this state or an area of this state? | Yes |

## 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 Judith Lopez, the owner of the STEERS account ER093994.
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 TCEQ.

OWNER OPERATOR Signature: Judith Lopez OWNER OPERATOR

| | |
|---|---|
| Customer Number: | CN605808252 |
| Legal Name: | JI Ready Mix Concrete, LLC |
| Account Number: | ER093994 |
| Signature IP Address: | 97.213.1.94 |
| Signature Date: | 2025-07-10 |
| Signature Hash: | 407D32F1580B186C0E8ADA5739B2FD92704BEA9026B885A9570A98FB50D9914B |
| Form Hash Code at time of Signature: | 0FC80FE9729714486270BFB7DF42271545361B0ADC6A450226478FE08607D63D |

## Fee Payment

| | |
|---|---|
| Transaction by: | The application fee payment transaction was made by ER093994/Judith Lopez |
| Paid by: | The application fee was paid by JUDITH LOPEZ |
| Fee Amount: | $900.00 |
| Paid Date: | The application fee was paid on 2025-07-10 |
| Transaction/Voucher number: | The transaction number is 582EA000675911 and the voucher number is 774436 |

## Fee Payment

| | |
|---|---|
| Transaction by: | The surcharge fee payment transaction was made by ER093994/Judith Lopez |
| Paid by: | The surcharge fee was paid by JUDITH LOPEZ |
| Fee Amount: | $3000.00 |
| Paid Date: | The surcharge fee was paid on 2025-07-10 |
| Transaction/Voucher number: | The transaction number is 582EA000675911 and the voucher number is 774437 |

## Submission

| | |
|---|---|
| Reference Number: | The application reference number is 798867 |

| | |
|---|---|
| Submitted by: | The application was submitted by ER055428/Josh Butler |
| Submitted Timestamp: | The application was submitted on 2025-07-11 at 10:28:59 CDT |
| Submitted From: | The application was submitted from IP address 47.186.112.54 |
| Confirmation Number: | The confirmation number is 664036 |
| Steers Version: | The STEERS version is 6.92 |

## Additional Information

Application Creator: This account was created by Janelle C Brubaker

ELM CREEK
ENVIRONMENTAL & ENGINEERING

July 9, 2025

Texas Commission on Environmental Quality
Air Permits Initial Review Team, MC-161
P.O. Box 13087
Austin, Texas 78711-3087

Attention: Samuel Short – Deputy Director, Air Permits Division

Subject: Air Quality Standard Permit for Concrete Batch Plants
JL Ready Mix Concrete, LLC – CN605808252
SH 163 CBP – New RN
Ozona, Crockett County, Texas

Mr. Short,

On behalf of JL Ready Mix Concrete, LLC, we are submitting this Air Quality Standard Permit for Concrete Batch Plants application to authorize the above-referenced permanent concrete batch plant facility at a site near Ozona, Crockett County, Texas. The required forms, maps, and supporting documents are attached. JL Ready Mix Concrete, LLC will satisfy all applicable requirements of the Air Quality Standard Permit for Concrete Batch Plants.

Elm Creek Environmental, LLC will serve as the technical representative for JL Ready Mix Concrete, LLC on this project. **We respectfully request to be copied on all correspondence regarding this project including, but not limited to, the public notice package and final approval letter.** If you have any questions regarding this application, please contact us at our office or through email at josh@elmcreekenv.com.

**Elm Creek Environmental, LLC**

Josh Butler
Env. Services Manager

Distribution: Addressee
TCEQ Region 8
Mr. Oscar Acosta – JL Ready Mix Concrete, LLC
366-006 Project File

**JL Ready Mix Concrete, LLC**
**Air Quality Standard Permit for Concrete Batch Plants**
**SH 163 CBP**
**Ozona, Crockett County, Texas**

# Table of Contents




**Elm Creek Environmental, LLC**
**Ph: 469-946-8195**
**www.elmcreekenv.com**

TCEQ Use Only

# TCEQ Core Data Form

For detailed instructions on completing 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.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ 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 605808252** | | **RN** |

## SECTION II: Customer Information

**4. General Customer Information** | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

***The 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: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

JL Ready Mix Concrete, LLC

| **7. TX SOS/CPA Filing Number** | **8. TX State Tax ID** (11 digits) | **9. Federal Tax ID** (9 digits) | **10. DUNS Number** *(if applicable)* |
|---|---|---|---|
| 0803030290 | 32067339344 | | |

**11. Type of Customer:** ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

**12. Number of Employees**

☐ 0-20 ☒ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

**13. Independently Owned and Operated?**

☒ **Yes** ☐ **No**

**14. Customer Role** (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **15. Mailing Address:** | P.O. Box 779 | | | | | | | |
| | **City** | Ozona | **State** | TX | **ZIP** | 76943 | **ZIP + 4** | 0779 |

| **16. Country Mailing Information** *(if outside USA)* | **17. E-Mail Address** *(if applicable)* |
|---|---|
| | info@jlreadymixconcrete.com |

| 18. Telephone Number | 19. Extension or Code | 20. Fax Number *(if applicable)* |
|---|---|---|
| ( 325 ) 392-2404 | | ( ) - |

## SECTION III: Regulated Entity Information

**21. General Regulated Entity Information** *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

***The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core 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.)*

SH 163 CBP

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **23. Street Address of the Regulated Entity:** ***(No PO Boxes)*** | 608 State Highway 163 | | | | | | | |
| | **City** | Ozona | **State** | TX | **ZIP** | 76943 | **ZIP + 4** | |
| **24. County** | Crockett | | | | | | | |

**If no Street Address is provided, fields 25-28 are required.**

| | | | | | |
|---|---|---|---|---|---|
| **25. Description to Physical Location:** | | | | | |
| **26. Nearest City** | | | **State** | | **Nearest ZIP Code** |
| | | | | | |

***Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).***

| **27. Latitude (N) In Decimal:** | 30.684143° | | **28. Longitude (W) In Decimal:** | -101.209211° | |
|---|---|---|---|---|---|
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds |
| 30 | 41 | 2.91 | 101 | 12 | 33.16 |

| **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) |
|---|---|---|---|
| 3273 | | 327320 | |

**33. What is the Primary Business of this entity?** *(Do not repeat the SIC or NAICS description.)*

Construction Materials

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **34. Mailing Address:** | **P.O. Box 779** | | | | | | | |
| | **City** | **Ozona** | **State** | **TX** | **ZIP** | **76943** | **ZIP + 4** | **0779** |
| **35. E-Mail Address:** | **info@jlreadymixconcrete.com** | | | | | | | |

| 36. Telephone Number | 37. Extension or Code | 38. Fax Number *(if applicable)* |
|---|---|---|
| **( 325 ) 392-2404** | | ( ) - |

**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.

| | | | | |
|---|---|---|---|---|
| ☐ Dam Safety | ☐ Districts | ☐ Edwards Aquifer | ☐ Emissions Inventory Air | ☐ Industrial Hazardous Waste |
| | | | | |
| ☐ Municipal Solid Waste | ☒ New Source Review Air | ☐ OSSF | ☐ Petroleum Storage Tank | ☐ PWS |
| | | | | |
| ☐ Sludge | ☐ Storm Water | ☐ Title V Air | ☐ Tires | ☐ Used Oil |
| | | | | |
| ☐ Voluntary Cleanup | ☐ Wastewater | ☐ Wastewater Agriculture | ☐ Water Rights | ☐ Other: |
| | | | | |

## SECTION IV: Preparer Information

| | | | |
|---|---|---|---|
| **40. Name:** | Josh Butler | **41. Title:** | Env. Services Manager |

| **42. Telephone Number** | **43. Ext./Code** | **44. Fax Number** | **45. E-Mail Address** |
|---|---|---|---|
| **(** 469 **)** 946-8195 | | **(** 469 **)** 716-4019 | Josh@elmcreekenv.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:** | JL Ready Mix Concrete, LLC | **Job Title:** | |
| **Name** *(In Print):* | | **Phone:** | **(** **)** - |
| **Signature:** | | **Date:** | |

## PI-1S Registrations for Air Standard Permit - Concrete Batch Plants

Click here to go back to the Cover sheet.

This sheet provides administrative information needed by the TCEQ.

**Instructions:**
1. Complete all applicable sections below.

Facilities in compliance with the new 2024 CBPSP amendment will continue to use this version (6.0) of the workbook.

Facilities applying for a renewal under the previous CBPSP rule will use the modified version (5.2) of the workbook.

### I. Applicant Information

| | |
|---|---|
| **I acknowledge that I am submitting an authorized TCEQ application workbook and any necessary attachments. Except for inputting the requested data and adjusting row height and column width, I have not changed the TCEQ application workbook in any way, including but not limited to changing formulas, formatting, content, or protections.** | I agree |

**A. Registration and Action Type** **(only one permit and action may be selected with each form)**
Select the type of action requested using the dropdown. Options include Initial, Change of Representation, Initial (move to a new location), and Renewal.

Provide the assigned registration number and expiration date if they have been assigned.

**All cells must be completed for change of representations.**

| Standard Permit and Description | Action Type Requested |
|---|---|
| 6004 - Concrete Batch Plants | Initial |

| Requested Information | Response |
|---|---|
| Is a registered portable facility moving to a site for support of a public works project in which the proposed site is located in or contiguous to the right-of-way of the public works project? (Section 10(A)(i)-(ii) of Standard Permit 6004) | No |
| Is a registered portable facility moving to a site in which a portable facility was located at the site at any time during the previous two years and was the site subject to public notice? (Section 10(A)(i)-(ii) of Standard Permit 6004) | No |

**B. Company Information**

| | |
|---|---|
| Company or Legal Name: | JL Ready Mix Concrete, LLC |

Registrations are issued to either the facility owner or operator, commonly referred to as the applicant or registration holder. List the legal name of the company, corporation, partnership, or person who is applying for the registration. We will verify the legal name with the Texas Secretary of State at (512) 463-5555 or at the link below:

https://www.sos.state.tx.us

| | |
|---|---|
| Texas Secretary of State Charter/Registration Number (if given): | 803030290 |

**C. Company Official Contact Information:** must not be a consultant

| **Requested Information** | **Response** |
|---|---|
| Prefix (Mr., Ms., Dr., etc.): | Mr. |
| First Name: | Oscar |
| Last Name: | Acosta |
| Title: | Manager |
| Mailing Address: | P.O. Box 779 |
| Address Line 2: | |
| City: | Ozona |
| State: | TX |
| ZIP Code: | 76943 |
| Telephone Number: | 325-392-2404 |
| Fax Number: | |
| Email Address: | info@jlreadymixconcrete.com |

Note: All correspondence and issued permit documents will be sent via e-mail within one business day of TCEQ's decision. Ensure that the e-mail address provided for the company official is the most appropriate to receive time-sensitive correspondence from the TCEQ.

**D. Technical Contact Information:** This person must have the authority to make binding agreements and representations on behalf of the applicant and may be a consultant. **Additional technical contact(s) can be provided in a cover letter.**

| **Requested Information** | **Response** |
|---|---|
| Prefix (Mr., Ms., Dr., etc.): | Mr. |
| First Name: | Josh |
| Last Name: | Butler |
| Title: | Env. Services Manager |
| Company or Legal Name: | Elm Creek Environmental, LLC |
| Mailing Address: | 611 S Hwy. 78 |
| Address Line 2: | Suite 132 |
| City: | Wylie |
| State: | TX |
| ZIP Code: | 75098 |
| Telephone Number: | 469-946-8195 |
| Fax Number: | 469-716-4019 |
| Email Address: | Josh@elmcreekenv.com |

**E. Assigned Numbers**

The CN and RN below are assigned when a Core Data Form is initially submitted to the Central Registry. The RN is also assigned if the agency has conducted an investigation or if the agency has issued an enforcement action. If these numbers have not yet been assigned, leave these questions blank and include a Core Data Form with your application submittal. See Section VI.B. below for additional information.

| **Requested Information** | **Response** |
|---|---|
| Enter the CN. The CN is a unique number given to each business, governmental body, association, individual, or other entity that owns, operates, is responsible for, or is affiliated with a regulated entity. | 605808252 |
| Enter the RN. The RN is a unique agency assigned number given to each person, organization, place, or thing that is of environmental interest to us and where regulated activities will occur. The RN replaces existing air account numbers. The RN for portable units is assigned to the unit itself, and that same RN should be used when applying for authorization at a different location. | New |

## II. Delinquent Fees and Penalties

| **Requested Information** | **Response** |
|---|---|
| Does the applicant have unpaid delinquent fees and/or penalties owed to the TCEQ?<br>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 the link below: | No |

https://www.tceq.texas.gov/agency/financial/fees/delin

## III. Registration Information

**A. 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 Exemption, PBR, or Standard Permit? | Yes |

If "YES," enter the standard exemption number(s), PBR registration number(s), and Standard Permit registration number(s), and associated effective date(s).

| Registration Numbers | Effective Date |
|---|---|
| 163009 | 10/27/2020 |
| | |
| | |

| B. Other Air Preconstruction Permits | |
|---|---|
| Are there any other air preconstruction permits at this site? | No |

| C. Associated Federal Operating Permits | |
|---|---|
| **Requested Information** | **Response** |
| Is this facility located at a site required to obtain a **site operating permit (SOP)** or **general operating permit (GOP)?** | No |

| IV. Facility Location and General Information | |
|---|---|
| **A. Location** | |
| **Requested Information** | **Response** |
| County: Enter the county where the facility is physically located. | Crockett |
| TCEQ Region | Region 8 |
| Street Address: | 608 State Highway 163 |
| City: If the address is not located in a city, then enter the city or town closest to the facility, even if it is not in the same county as the facility. | Ozona |
| ZIP Code: Include the ZIP Code of the physical facility site, not the ZIP Code of the applicant's mailing address. | 76943 |
| Site Location Description: If there is no street address, provide written driving directions to the site. Identify the location by distance and direction from well-known landmarks such as major highway intersections. | |
| **B. General Information** | |
| **Requested Information** | **Response** |
| Facility Name: | SH 163 CBP |
| Area Name: Must indicate the general type of operation, process, equipment or facility. Include numerical designations, if appropriate. Examples are Sulfuric Acid Plant and No. 5 Steam Boiler. Vague names such as Chemical Plant are not acceptable. | SH 163 CBP |
| Is the facility currently registered as a temporary facility in Texas? | No |
| Are there any schools located within 3,000 feet of the site boundary? | No |
| **C. Type of Plant** | |
| Type of plant | Permanent |
| **Requested Information** | **Response** |
| Serial number of the equipment to be authorized, if applicable: | Pending |
| Serial number of the equipment to be authorized, if applicable: | |
| **D. Industry Type** | |
| **Requested Information** | **Response** |
| Principal Company Product/Business: | Construction Materials |
| Principal SIC code: | 3273: Ready-Mixed Concrete |
| **E. State Senator and Representative for this site** | |
| This information can be found at the link below (note, the website is not compatible to Internet Explorer): https://wrm.capitol.texas.gov/ | |
| **Requested Information** | **Response** |
| State Senator: | Roland Gutierrez |

| | |
|---|---|
| District: | 19 |
| State Representative: | Wes Virdell |
| District: | 53 |

**F. County Judge and Presiding Officer**

We must notify the applicable county judge and presiding officer when an application for a concrete batch plant is received. This information can be obtained at the link below:
https://www.txdirectory.com
Provide the information for the **County Judge** for the location where the facility is or will be located:

| **Requested Information** | **Response** |
|---|---|
| The Honorable: | Frank Tambunga |
| Mailing Address: | P.O. Box 1857 |
| Address Line 2: | |
| City: | Ozona |
| State: | TX |
| ZIP Code: | 76943 |
| Is the facility located in any municipality or an extraterritorial jurisdiction of any municipality? | No |

**V. Project Information**

**A. Description**

| **Requested Information** | **Response** |
|---|---|
| Provide a brief description of the project that is requested. (Limited to 500 characters). | JL Ready Mix Concrete, LLC proposes to authorize a permanent concrete batching facility via the Air Quality Standard Permit for Concrete Batch Plants. The permanent batching facility will be located near Ozona, Crocket County, Texas. |

**B. Enforcement Projects**

| **Requested Information** | **Response** |
|---|---|
| Is this application in response to, or related to, an agency investigation, notice of violation, or enforcement action? | No |

**VI. Application Materials**

All representations regarding construction plans and operation procedures contained in the registration application shall be conditions upon which the registration is issued. (30 TAC § 116.615)

**A. Confidential Application Materials**

| **Requested Information** | **Response** |
|---|---|
| Is confidential information submitted with this application? | No |

https://www.tceq.texas.gov/permitting/air/confidential.html

| | |
|---|---|
| **B. Is the Core Data Form (Form 10400) attached?** | Yes |

https://www.tceq.texas.gov/permitting/central_registry/guidance.html

| **Requested Information** | **Response** |
|---|---|
| **C. Is a current area map attached?** | Yes |
| Is the area map a current map with a true north arrow, an accurate scale, the entire plant property, the location of the property relative to prominent geographical features including, but not limited to, highways, roads, streams, and significant landmarks such as buildings, residences, schools, parks, hospitals, day care centers, and churches? | Yes |

| | |
|---|---|
| Does the map show a 3,000-foot radius from the property boundary? | Yes |
| **D. Is a plot plan attached?** | Yes |
| Does your plot plan clearly show a north arrow, an accurate scale, all property lines, all emission points, buildings, tanks, process vessels, other process equipment, and two bench mark locations? | Yes |
| Does your plot plan identify all emission points on the affected property, including all emission points authorized by other air authorizations, construction permits, PBRs, special permits, and standard permits? | Yes |
| Did you include a table of emission points indicating the authorization type and authorization identifier, such as a permit number, registration number, or rule citation under which each emission point is currently authorized? | Yes |
| Does your plot plan clearly mark all distances to other property or structures to demonstrate compliance with all distance, setback, and buffer requirements? | Yes |
| **E. Is a process flow diagram attached?** | Yes |
| Is the process flow diagram sufficiently descriptive so the permit reviewer can determine the raw materials to be used in the process; all major processing steps and major equipment items; individual emission points associated with each process step; the location and identification of all emission abatement devices; and the location and identification of all waste streams (including wastewater streams that may have associated air emissions)? | Yes |
| **F. Is a process description attached?** | Yes |
| Does the process description emphasize where the emissions are generated, why the emissions must be generated, what air pollution controls are used (including process design features that minimize emissions), and where the emissions enter the atmosphere? | Yes |
| Does the process description also explain how the facility or facilities will be operating when the maximum possible emissions are produced? | Yes |
| **G. Are details for each different filter system attached?** | Yes |
| Is there a description of the principle operation for each different filter system? | Yes |
| Is there an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size, and shape? | Yes |
| **H. Is a Public Involvement Plan (PIP) form required for this project? Requirements can be found at the link below:** | Yes |
| Is the PIP Form (TCEQ Form 20960) attached? | Yes |
| Requirements can be found at the following link: | Air Permitting - Texas Commission on Environmental Quality - www.tceq.texas.gov |

# Concrete Batch Plant Standard Permit Checklist - 6004

Click here to go back to the PI-1S-CBP sheet.

This sheet provides information needed by the TCEQ to determine if the proposed project meets all of the requirements of the Standard Permit for Concrete Batch Plants.

**Instructions:**
1. Review the standard permit requirements available at the end of this workbook, accessible through with the link below:
Air Quality Standard Permit for Concrete Batch Plants
2. Complete all applicable sections below.

| | |
|---|---|
| Type of plant | Permanent |
| Type of operation | Truck Mix |
| Will the owner or operator of truck mix plant(s) shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck-receiving funnel? | No |
| Will any engine be on-site for greater than 12 consecutive months? | Yes |
| Are multiple concrete batch plants being operated on the same site? | No |

**Section 3: Administrative Requirements**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| (3)(A)-(K) | Will you meet the requirements of Section 3 of the Standard Permit regarding administrative, record-keeping and MSS requirements? | Yes | N/A |

**Section 4: Public Notice**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| (4) | Will you meet all of the requirements of Section 4 of the Standard Permit regarding public notice? | Yes | N/A |
| | Is this a portable facility moving to a site for support of a public works project in which the proposed site is located in or contiguous to the right-of-way of the public works project? | No | N/A |
| | | | |
| | | | |
| | Is this a registered portable facility moving to a site in which a portable facility was located at the site at any time during the previous two years and was the site subject to public notice? | No | N/A |

**Section 5: General Requirements**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| (5)(A) | Are the storage silos and auxiliary storage tanks controlled by a cartridge or filter system? | Yes | N/A |
| | How will the weigh hopper be vented? More than one may be selected using the following rows. | Vented to fabric/cartridge filter | N/A |
| | Select second method, if applicable. | | N/A |
| | Select third method, if applicable. | | N/A |
| (5)(B)(i) | Will fabric/cartridge filters and collection systems be operated properly with no tears or leaks? | Yes | N/A |
| (5)(B)(ii) | What is the control efficiency of the filter system (including any central filter systems) for particle sizes of 2.5 microns and smaller (%)? | 99.50% | N/A |
| (5)(B)(iii) | Will all filter systems meet visible emissions performance standards? | Yes | N/A |
| (5)(B)(iv) | Will cement and/or fly ash silo filter exhausts be equipped with sufficient illumination to observe visible emissions performance if filled during non-daylight hours? | Yes | N/A |

| | | | |
|---|---|---|---|
| (5)(C)(i) | Will conveying systems to and from the storage silos be properly operated, remain totally enclosed, and maintained with no tears or leaks? | Yes | N/A |
| (5)(C)(ii) | During cement/fly ash storage silo filling, except for connecting or disconnecting, will you keep a standard of having no visible emissions for more than 30 seconds in any six-minute period from the conveying system? | Yes | N/A |
| (5)(D) | What type of device is utilized onsite to warn when silos are reaching capacity? | Warning device | N/A |
| | | | |
| (5)(D)(ii) | If a warning device is used, will it alert operators in sufficient time to prevent an adverse impact on the pollution abatement equipment or other parts of the loading operation? | Yes | N/A |
| | Do you regularly prevent particle build-up on visible warning devices? | Yes | N/A |
| (5)(D)(iii) | Will warning devices or shut-off systems for silos and auxiliary storage tanks be tested at least monthly during operations and records kept indicating test and repair results in accordance with Section (3)(J) of this standard permit? | Yes | N/A |
| (5)(E)(i)-(iv) | Select which method(s) will be used to control emissions from in-plant roads and traffic areas. More than one may be selected using the following rows. | (i) Watering | N/A |
| | Select the second control method, if applicable. | | N/A |
| | Select the third control method, if applicable. | | N/A |
| | Select the fourth control method, if applicable. | | N/A |
| (5)(F) | How will dust emissions from all stockpiles be minimized at all times? More than one may be selected using the following rows. | Sprinkling with water | N/A |
| | Select the second control method, if applicable. | | N/A |
| | Select the third control method, if applicable. | | N/A |
| | Will stockpiles be limited to a total ground surface area of no more than 1.5 acres. | Yes | N/A |
| (5)(G) | Confirm that all material spills will be immediately cleaned up and contained or dampened so dust emissions are minimized. | I agree | N/A |
| (5)(H) | Confirm visible emissions will not leave the property for more than 30 seconds in duration in any six-minute period during normal plant operations as determined using EPA Test Method 22? | I agree | N/A |
| | Will quarterly visible emission observations be performed and recorded in accordance with Section (3)(J) of this standard permit? | Yes | N/A |
| | If visible emissions exceed Test Method 22 criteria, will immediate corrective action be taken and documented? | Yes | N/A |
| (5)(I) | What is the distance from the concrete batch plant to any crushing plant or hot mix asphalt plant? (feet) | N/A | N/A |
| | | | |
| (5)(J) | Are multiple concrete batch plants being operated on the same site? | No | N/A |
| | | | |
| (5)(K) | Confirm that none of the concrete additives will emit volatile organic compounds (VOC). | I agree | N/A |
| (5)(L) | Will all sand and aggregate be washed prior to delivery to the site? | Yes | N/A |
| (5)(M)(i)-(vii) | Will all claims under this standard permit comply with the following?: | Respond below. | N/A |
| | 30 TAC § 116.604, Duration and Renewal of Registrations to Use Standard Permits | Yes | N/A |
| | 30 TAC § 116.605(d)(1), Standard Permit Amendment and Revocation | Yes | N/A |
| | 30 TAC § 116.614, Standard Permit Fees | Yes | N/A |
| | The public notice processes established in THSC, § 382.055, Review and Renewal of Preconstruction Permit | Yes | N/A |

| | | | |
|---|---|---|---|
| | The public notice processes established in THSC, § 382.056 | Yes | N/A |
| | The contested case hearing and public notice requirements established in 30 TAC § 55.152(a)(2), Public Comment Period | Yes | N/A |
| | The contested case hearing and public notice requirements established in 30 TAC § 55.201(h)(i)(C), Requests for Reconsideration or Contested Case Hearing | Yes | N/A |
| (5)(N) | Will the owner or operator comply with 30 TAC § 101.4, Nuisance. | Yes | N/A |

**Section 6: Engine Requirements**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| (6)(A) | Are any engines being authorized in this registration? | Yes | Specific engine data must be provided in Table 29 in this workbook. |
| | Is the total horsepower (hp) of the stationary compression ignition internal combustion engine (or combination of engines) in simultaneous operation at the site no more than 1,000 total horsepower (hp)? | Yes | N/A |
| (6)(B) | Will all claims under this standard permit comply with the | Respond below. | N/A |
| | Applicable engine requirements in 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines | Yes | N/A |
| | 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines | Yes | N/A |
| | 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds | Yes | N/A |
| | Any other applicable state or federal regulation for stationary compression ignition internal combustion engines | Yes | Attach supporting documentation if applicable |
| (6)(C) | Are the engine exhaust stacks a minimum of eight feet tall? | Yes | N/A |
| (6)(D) | Will fuel for the engines be liquid fuel with a maximum sulfur content of no more than 0.0015 percent by weight and not consist of a blend containing waste oils or solvents? | Yes | N/A |
| (6)(E) | Confirm emissions from the engine(s) will not exceed 2.61 grams per horsepower-hour (g/hp-hr) of $NO_X$, per manufacturer's specifications? | I agree | Attach supporting documentation. |
| | Will a copy of the manufacturer's specifications be kept at the site? | Yes | N/A |
| (6)(F) | Will the engine(s) be on-site for less than 12 consecutive months? | No | This project may not meet the requirements of the Standard Permit. |
| | If engine(s) are being used for electrical power or equipment operations, then is the site limited to a total of 1,000 hp in simultaneous operation? | Yes | N/A |

**Section 7: Planned Maintenance, Startup, and Shutdown (MSS) Activities**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| (7) | Will planned maintenance activities receive separate authorization, unless the activity can meet the conditions of 30 TAC § 116.119, De Minimis Facilities or Sources? | Yes | N/A |

**Section 8: Operational Requirements for Permanent and Temporary Concrete Plants**

| Condition Number | Description | Response | Notes |
|---|---|---|---|
| 8(A)(i) | Will the single truck mix plant operate under the requirements in subsection (8)(E) and comply with the production rate and setback distance limits found in Table 1? | Yes | N/A |
| | What is the production rate of the single truck mix plant with the shrouded mixer truck-receiving funnel. ($yd^3$/hour) | 200 | Production rates must be no more than the 200 yd3/hour limit. |
| | What is the setback distance of the single truck mix plant with the shrouded mixer truck-receiving funnel. (ft) | 100 | Setback distances should be a minimum of 100 ft. |
| | | | |

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|---|---|---|---|
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| | | | |
| 8(C) | How many cubic yards per year will this plant produce? ($yd^3$/yr) | 650,000 | Concrete batch plants are limited to a maximum of 650,000 cubic yards per year ($yd^3$/yr) in any rolling 12-month period. |
| 8(D) | What is the minimum filtering velocity of the fabric or cartridge filter system for the suction shroud/central mix drum? (acfm) | 5,000 | Minimum of 5,000 actual cubic feet per minute (acfm) of air. |
| 8(E) | Will the owner or operator shelter the drop point by an intact three-sided enclosure with a flexible shroud hanging from above the truck, or equivalent dust collection technology that extends below the mixer truck-receiving funnel? | Yes | N/A |
| 8(F) | Will the owner or operator of truck mix plants shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck-receiving funnel? | No | N/A |
| 8(G)(i)-(iv) | Select which method(s) will be used to prevent tracking of sediment onto adjacent roadways and reduce the generation of dust. More than one method may be selected using the following rows. | Respond below. | N/A |
| | Option: Select primary method, if applicable. | (i) watering, sweeping, and cleaning the plant road entrances; | N/A |
| | Option: Select second method, if applicable. | | N/A |
| | Option: Select third method, if applicable. | | N/A |
| | Option: Select fourth method, if applicable. | | N/A |
| 8(H) | Will stationary equipment, stockpiles, and vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located no closer than 50 feet less than the applicable minimum setback distance listed in subsection (8)(A) from any property line? | Yes | Stationary Equipment excludes the suction shroud fabric/cartridge filter exhaust, drum feed fabric/cartridge filter exhaust, cement/fly ash storage silos, and engine. |
| | What is the distance from the property line to the stationary equipment? (ft) | 178 | N/A |
| | What is the distance from the property line to the stockpiles? (ft) | 113 | N/A |
| | What is the distance from the property line to the vehicles? (ft) | 50 | N/A |
| 8(I)(i) | In lieu of meeting the distance requirements for roads of subsection (8)(H) of this standard permit, will the owner or operator construct and maintain in good working order dust suppressing fencing or other equivalent barriers as a border around roads, other traffic areas, and work areas? | | Input for Section 8(I)(i)-(ii) is optional if 8H is met. |
| 8(I)(ii) | Optional: Will the border be constructed to a height of at least 12 feet? | | This requirement is optional |
| 8(J) | Optional: In lieu of meeting the distance requirements for stockpiles of subsection (8)(H) of this standard permit, will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile? | | Input for Section 8(J) is optional if 8H is met. |

| | | | |
|---|---|---|---|
| 8(K) | For permanent plants, will the owner or operator pave all entry and exit roads and main traffic routes associated with the operation of the concrete batch plant with a cohesive hard surface that will be cleaned and maintained intact? | Yes | N/A |
| | Will all batch trucks and material delivery trucks remain on the paved surface when entering, conducting primary function, and leaving the property? | Yes | N/A |
| | Will the owner or operator maintain other traffic areas using the control requirements of subsection (5)(E) of this standard permit? | Yes | N/A |

| | | | |
|---|---|---|---|
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# Table 20: Concrete Batch Plants - Concrete Batch Plant Standard Permits

Click here to go back to the 6008 Checklist sheet.

This sheet provides information needed by the TCEQ to determine if the proposed project meets all of the requirements of the Standard Permit for Concrete Batch Plants.

**Instructions:**
1. Complete all applicable questions below.

| | |
|---|---|
| **Type of batching that will be accomplished** | Truck Mix |

**Section 1: Maximum operating schedule**

| **Requested Information** | **Response** |
|---|---|
| What is the maximum hours per day? | 24 |
| What is the maximum days per week? | 7 |
| What is the maximum weeks per year? | 52 |
| What is the maximum hours per year? | 8760 |

**Section 2: Aggregate Information**

| **Requested Information** | **Response** |
|---|---|
| Will sand and aggregate be washed prior to delivery at your site? | Yes |
| What is the total ground surface area of aggregate stockpiles? (acres) | 0.5 |
| Indicate where water sprays will be used, if applicable. | Stockpiles |
| Additional location for water sprays, if applicable. | |
| Additional location for water sprays, if applicable. | |
| Additional location for water sprays, if applicable. | |

**Section 3: Filter System Information**

| **Requested Information** | **Response** |
|---|---|
| How many filter systems will this plant have? | 5 |
| Will all filter systems be operated the same way? | No |

# Table 11: Fabric Filters - Concrete Batch Plant Standard Permits

Click here to go back to the Table20-CBP sheet.

This sheet provides information needed by the TCEQ to determine if the proposed project meets all of the requirements of the Standard Permit for Concrete Batch Plants.

**Instructions:**
1. Complete all applicable questions below.

**Filter System 1**

| Requested Information | Response |
|---|---|
| EPN | **8** |
| Manufacturer | Donaldson Torit |
| Model Number | 9FS6 |
| List the sources being controlled | Batch Point |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 5000 |
| Average expected flow rate (acfm) | 5000 |
| Particulate grain loading (grain/scf) - inlet | |
| Particulate grain loading (grain/scf) - outlet | <0.01 |

**Filter System 2**

| Requested Information | Response |
|---|---|
| EPN | **9** |
| Manufacturer | Donaldson Torit |
| Model Number | CPV-1 |
| List the sources being controlled | Weigh Hopper |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 700 |
| Average expected flow rate (acfm) | 700 |
| Particulate grain loading (grain/scf) - inlet | |
| Particulate grain loading (grain/scf) - outlet | <0.01 |

**Filter System 3**

| Requested Information | Response |
|---|---|
| EPN | **10** |
| Manufacturer | Donaldson Torit |
| Model Number | TBV-2 |
| List the sources being controlled | Silo |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 550 |
| Average expected flow rate (acfm) | 550 |
| Particulate grain loading (grain/scf) - inlet | |
| Particulate grain loading (grain/scf) - outlet | <0.01 |

**Filter System 4**

| Requested Information | Response |
|---|---|

| | |
|---|---|
| EPN | **11** |
| Manufacturer | Donaldson Torit |
| Model Number | TBV-2 |
| List the sources being controlled | Silo |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 550 |
| Average expected flow rate (acfm) | 550 |
| Particulate grain loading (grain/scf) - inlet | |
| Particulate grain loading (grain/scf) - outlet | <0.01 |

| **Filter System 5** | |
|---|---|
| **Requested Information** | **Response** |
| EPN | **12** |
| Manufacturer | Donaldson Torit |
| Model Number | TBV-2 |
| List the sources being controlled | Silo |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 550 |
| Average expected flow rate (acfm) | 550 |
| Particulate grain loading (grain/scf) - inlet | |
| Particulate grain loading (grain/scf) - outlet | <0.01 |

# Table 29: Reciprocating Engines - Concrete Batch Plant Standard Permits

Click here to go back to the Table11-CBP sheet

This sheet provides information about the proposed stationary compression ignition internal combustion engines.

**Instructions:**
1. Complete all applicable questions below.

**All Engines In This Registration**

| Requested Information | Response |
|---|---|
| Manufacturer | John Deere |
| Model number | 4045HFC09 |
| Manufacture date | 2018 |
| What is the engine exhaust stack height? (ft) | 8 |
| Horsepower rating | 173 |
| NOx emission factor (g/hp-hr) | |
| Does NSPS JJJJ apply? | No |
| Does MACT ZZZZ apply? | Yes |
| Does NSPS IIII apply? | Yes |
| Does 30 TAC Chapter 117 apply? | No |

| **Horsepower** | |
|---|---|
| **Requested Information** | **Response** |
| What is the combined horsepower of the engines? | 173 |

# Public Notice Information and Small Business Classification

Click here to go back to Table29-CBP Sheet

This sheet is intended to assist in this determination of public notice requirements and is not a replacement for 30 TAC Chapter 39 (Public Notice). **If you can see the page header, there are questions applicable to your project on this sheet.**

The THSC §382.056 and corresponding rules in 30 TAC Chapter 39 (Public Notice) require that you publish a notice of intent to obtain a permit and notice of preliminary decision (consolidated into a single notice). Notices must be published in a newspaper of general circulation in the municipality where the proposed facility is or will be located (not applicable to alternative language notices). Signs must also be posted at the site in compliance with
https://www.tceq.texas.gov/permitting/air/bilingual/how1_2_pn.html
https://statutes.capitol.texas.gov/Docs/HS/htm/HS.382.htm#382.05199

**Instructions:**
1. Complete all questions below.

## I. Public Notice Information

### A. Contact Information

Enter the contact information for the **person responsible for publishing.** This is a designated representative who is responsible for ensuring public notice is properly published in the appropriate newspaper and signs are posted at the facility site. This person will be contacted directly when the TCEQ is ready to authorize public notice for the application.

| Requested Information | Response |
|---|---|
| Prefix (Mr., Ms., Dr., etc.): | Mr. |
| First Name: | Josh |
| Last Name: | Butler |
| Title: | Env. Services Manager |
| Company Name: | Elm Creek Environmental, LLC |
| Mailing Address: | 611 S Hwy. 78 |
| Address Line 2: | Suite 132 |
| City: | Wylie |
| State: | TX |
| ZIP Code: | 75098 |
| Telephone Number: | 469-946-8195 |
| Fax Number: | 469-716-4019 |
| Email Address: | josh@elmcreekenv.com |

Enter the contact information for the **Technical Contact.** This is the designated representative who will be listed in the public notice as a contact for additional information.

| Requested Information | Response |
|---|---|
| Prefix (Mr., Ms., Dr., etc.): | Mr. |
| First Name: | Josh |
| Last Name: | Butler |
| Title: | Env. Services Manager |
| Company Name: | Elm Creek Environmental, LLC |
| Mailing Address: | 611 S Hwy. 78 |
| Address Line 2: | Suite 132 |
| City: | Wylie |
| State: | TX |

| | |
|---|---|
| ZIP Code: | 75098 |
| Telephone Number: | 469-946-8195 |
| Fax Number: | 469-716-4019 |
| Email Address: | Josh@elmcreekenv.com |

**B. Public place**

Place a copy of the full application (including all of this workbook and all attachments) at a public place in the county where the facilities are or will be located. You must state where in the county the application will be available for public review and comment. The location must be a public place and described in the notice. A public place is a location which is owned and operated by public funds (such as libraries, county courthouses, city halls) and cannot be a commercial enterprise. You are required to pre-arrange this availability with the public place indicated below. The application must remain available from the first day of publication through the designated comment period.

If the application is submitted to the agency with information marked as Confidential, you are required to indicate which specific portions of the application are not being made available to the public. These portions of the application must be accompanied with the following statement: ***Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to the TCEQ Public Information Coordinator, MC 197, P.O. Box 13087, Austin, Texas 78711-3087.***

| Requested Information | Response |
|---|---|
| Name of Public Place: | Crockett County Public Library |
| Physical Address: | 1201 Avenue G |
| Address Line 2: | |
| City: | Ozona |
| ZIP Code: | 76943 |
| County: | Crockett |
| Has the public place granted authorization to place the application for public viewing and copying? | Yes |

**C. Alternate Language Publication**

In some cases, public notice in an alternate language is required. If an elementary or middle school nearest to the facility is in a school district required by the Texas Education Code to have a bilingual program, a bilingual notice will be required. If there is no bilingual program required in the school nearest the facility, but children who would normally attend those schools are eligible to attend bilingual programs elsewhere in the school district, the bilingual notice will also be required. If it is determined that alternate language notice is required, you are responsible for ensuring that the publication in the alternate language is complete and accurate in that language.

| Requested Information | Response |
|---|---|
| Is a bilingual program required by the Texas Education Code in the School District? | Yes |
| Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district? | Yes |
| If yes to either question above, list which language(s) are required by the bilingual program? | Spanish |
| List second required language. | |
| List third required language. | |
| List fourth required language. | |

## III. Small Business Classification

Complete this section to determine small business classification. If a small business requests a permit, agency rules (30 TAC § 39.603(f)(1)(A)) allow for alternative public notification requirements if all of the following criteria are met. If these requirements are met, public notice does not have to include publication of the prominent (12 square inch) newspaper notice.

| Requested Information | Response |
|---|---|
| Does the company (including parent companies and subsidiary companies) have fewer than 100 employees or less than $6 million in annual gross receipts? | Yes |
| Is the site a major source under 30 TAC Chapter 122, Federal Operating Permit Program? | No |
| Are the site emissions of any individual air contaminant greater than or equal to 50 tpy? | No |
| Are the site emissions of all air contaminants combined greater than or equal to 75 tpy? | No |
| Small business classification: | **Yes** |

## IV. Plain Language Summary

Applications deemed administratively complete by May 1, 2022 must provide a plain language summary of the application to be posted on the TCEQ website. Templates can be found at the link below.

https://www.tceq.texas.gov/permitting/air/guidance/newsourcereview/nsrapp-tools.html

| Requested Information | Response |
|---|---|
| Is a Plain Language Summary as required by 30 TAC § 39.405(k) provided with the application? | Yes |
| Is a Plain Language Summary in an alternative language as required by 30 TAC § 39.426(c) provided with the application? | Yes |

# Fee Verification

Click here to go back to the Public Notice sheet.

This sheet is for requesting expedited permitting and determines application fee requirements for projects which require a fee. **If you can see the page header, there are questions applicable to your project on this sheet.**

Fees are due and payable at the time an application is filed. Required fees must be received before the agency will consider an application to be complete.

As of January 1, 2021, fees must be paid through ePay during the STEERS submitall process. Instructions for online payment through the ePay system can be found at the link below:

https://www3.tceq.texas.gov/epay/

**Instructions:**
1. Enter information related to the expedited permitting option.
2. If visible, enter payment information.
3. If applicable, submit the application under the seal of a Texas Licensed P.E.

| **I. Expedited Permitting Request** | |
|---|---|
| Are you requesting to expedite this project? | Yes |
| Does the purpose of the application associated with this request to expedite benefit the economy of this state or an area of this state. If no, this project does not qualify for expedited permitting. | Yes |
| Surcharge amount due | $3,000.00 |
| Surcharge amount paid | $3,000.00 |
| Enter the check, money order, ePay Voucher, or other transaction number. Enter "STEERS" if submitting and paying through STEERS. | STEERS |

**Unless submitting through STEERS, you must also submit the Form APD-APS Air Permitting Surcharge Payment to the TCEQ Cashier's office, link to the form below:**

https://www.tceq.texas.gov/publications/search_forms.html

| **II. Application Fee** | |
|---|---|
| All standard permit types and actions (unless the facility meets the requirements of being in or adjacent to the right of way of a public works project) | $900.00 |

| **III. Payment Information** | |
|---|---|
| Was the fee paid online? | Yes |
| Enter the fee amount | $ 900.00 |
| Enter the check, money order, ePay Voucher, or other transaction number. Enter "STEERS" if submitting and paying through STEERS. | STEERS |
| Enter the company name as it appears on the check | N/A |

| **IV. Professional Engineer Seal Requirement** | |
|---|---|
| Is the estimated capital cost of the project above $2 million? | No |

| | |
|---|---|
| Is the application required to be submitted under the seal of a Texas licensed P.E.?<br>Note: an electronic PE seal is acceptable. | No |

**JL Ready Mix Concrete, LLC**
**Air Quality Standard Permit for Concrete Batch Plants**
**SH 163 CBP**
**Ozona, Crockett County, Texas**

## Project Description

JL Ready Mix Concrete, LLC proposes to authorize a permanent concrete batching facility via the Air Quality Standard Permit for Concrete Batch Plants. The permanent batching facility will be located near Ozona, Crockett County, Texas.

The subject facility will be located on site permanently (>180 days) and will have a maximum production rate of 200 cubic yards per hour and 650,000 cubic yards per year at a maximum operating schedule of 24 hours per day, 7 days per week, 52 weeks per year, or 8,760 hours per year.

Stationary equipment (excluding the suction shroud fabric/cartridge filter exhaust, engine, and cement/fly ash storage silos), stockpiles, and vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site), will be located/operated no less than 50 feet from the property line, as required. Any stockpiles located within 50 feet of the property line will be located within a three-walled bunker that extends at least two feet above the top of the stockpile. The facility's central dust collection system exhaust, engine, and cement/fly ash storage silos will be located at least 100 feet from the property line.

Any emissions from planned shutdown and startup activities are not expected to be any worse over a full hour than emissions during normal operation, and thus should be included in this permit authorization. Any planned maintenance activities for this facility will not be covered by this permit and shall be considered De Minimis (30 TAC 116.119) or authorized by a separate PBR (30 TAC 106), as necessary.

JL Ready Mix Concrete, LLC will utilize applicable Best Available Control Technology (BACT) guidelines to control emissions. Emissions from the batch point are controlled by the plant's central dust collector. Emissions from each of the silos and the cement/fly ash weigh hopper are controlled by their own dust collectors. All in-plant roads and traffic areas will be watered, swept, and cleaned so as to minimize dust emissions. All entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) will be paved with a cohesive hard surface that shall be cleaned and maintained intact. Stockpiles will also be watered, as needed, to minimize dust emissions. The subject facility will comply with all property line visible emission requirements and opacity limits listed in the Air Quality Standard Permit for Concrete Batch Plants.

All required TCEQ forms, maps, calculations, and documents are included in this application. JL Ready Mix Concrete, LLC will comply with all pertinent requirements listed under the Air Quality Standard Permit for Concrete Batch Plants.

**JL Ready Mix Concrete, LLC**
**Air Quality Standard Permit for Concrete Batch Plants**
**SH 163 CBP**
**Ozona, Crockett County, Texas**

## Process Description

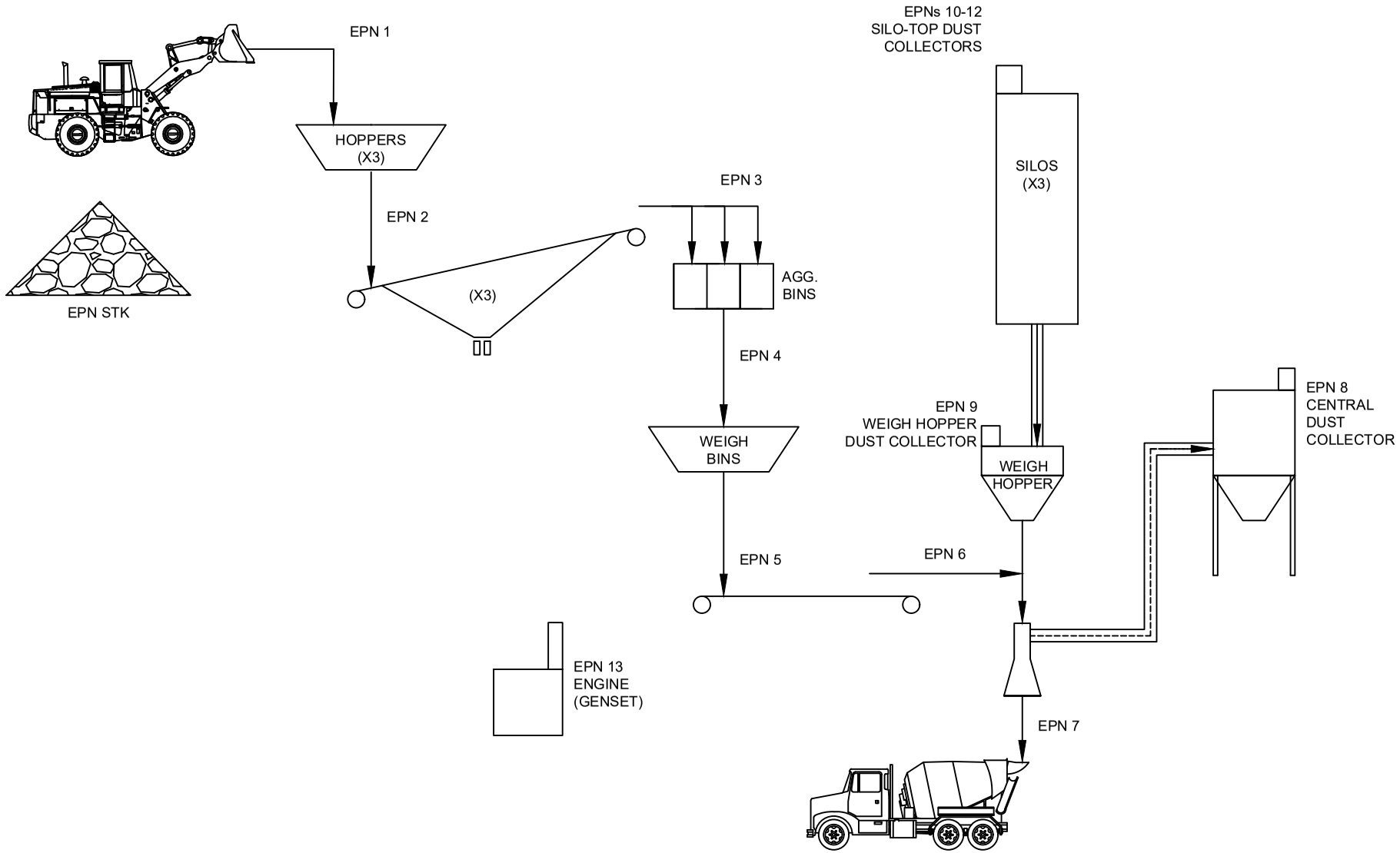
Washed sand and aggregate material are delivered to the facility via trucks and placed in stockpiles (EPN STK). Other materials used in the batching process such as cement, fly ash, and admixtures are also delivered to the facility via trucks.

Washed sand and aggregate materials are transported from the stockpile area to the feed hopper via front-end loader (EPN 1). Material from the feed hoppers is transferred (EPN 2) to each feed hopper's associated radial stacker, which is used to transfer (EPN 3) the sand/aggregate material to the aggregate bins. From the aggregate bins, the sand/aggregate material falls (EPN 4) into the weigh bins, where measured amounts of the sand/aggregate material are transferred (EPN 5) onto a conveyor. From the conveyor, the sand/aggregate material is transferred to the mixer trucks at the batch point (EPN 6). The loading of the mixer trucks (EPN 7) accounts for the loading emissions not captured by the facility's central dust collector.

Cement and fly ash are transferred pneumatically to the plant's silos and are delivered to the plant's weigh hopper for measurement. The specific amount of cement/fly ash needed for the mix is transferred to the plant's batch point where sand and aggregate materials, along with cement, fly ash, water, and admixtures are combined and mixed by the mixer trucks.

Emissions from the batch point are controlled by the facility's central dust collector (EPN 8). Emissions from the silos and the cement/fly ash weigh hopper are controlled by their own respective dust collectors (EPNs 9-12). The facility will be powered via a diesel generator (EPN 13).

Please use the attached flow diagram to follow the process description outlined above.






| | | | | | |
|---|---|---|---|---|---|
| REVISION: | N/A | DATE: | 7/7/2025 | FLOW DIAGRAM | |
| PROJECT NO.: | 366-006 | SCALE: | NTS | | |
| SHEET NO.: | 1/1 | DRAWN BY: | JB | OZONA, CROCKETT CO., TEXAS | |
| | | CHECK BY: | DG | | |

ELM CREEK
ENVIRONMENTAL & ENGINEERING
611 S. HWY 78, SUITE 132 WYLIE, TX 75098 PHONE: 469-946-8195
TEXAS ENGINEERING FIRM F-26145 WWW.ELMCREEKENV.COM

# Concrete Batch Plant Emission Rate Calculation Worksheet

| | | | |
|---|---|---|---|
| **Permit No.:** | **Pending** | **Project No.:** | **366-006** |
| **Company:** | **JL Ready Mix Concrete, LLC** | **Project Type:** | **EXP PSP CBP** |
| **Facility ID No. or Name:** | **SH 163 CBP** | **Date:** | **July 2025** |
| **City:** | **Ozona, Crockett County, Texas** | | |

| **Operating Schedule** | hours/day | days/week | weeks/year | hours/year |
|---|---|---|---|---|
| | 24 | 7 | 52 | 8,760 |

| **Production Rate** | $yd^3_{Concrete}$/ hour | $yd^3_{Concrete}$/ year |
|---|---|---|
| | 200 | 650,000 |

**Type of Facility** **Truck Mix**

**Concrete Composition**

**Standard Composition of One Cubic Yard of Concrete**

| Material | lb/yd3 |
|---|---|
| Aggregate | 1,865 |
| Sand | 1,428 |
| Cement | 491 |
| Supplement | 73 |

**Maximum Material Mass Flow Rate**

| Material | ton/hr | ton/yr |
|---|---|---|
| Aggregate | 186.5 | 606,125 |
| Sand | 142.8 | 464,100 |
| Cement | 49.1 | 159,575 |
| Supplement | 7.3 | 23,725 |

**Material Handling - Coarse Aggregate Transfer Points**

| | | | | |
|---|---|---|---|---|
| Enter the number of Aggregate Transfer Points (Enter 1-9) | 6 | | **Maximum Mass Flow Rate (ton/hr)** | 187 |
| Use the maximum material mass flowrate? ("Yes" or "No") | Yes | | **Maximum Mass Flow Rate (ton/yr)** | 606,125 |

| **EPN (Identified on Process Flow Diagram)** | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| **Hourly Mass Flow Rate (ton/hr) =** | 187 | 187 | 187 | 187 | 187 | 187 |
| **Annual Mass Flow Rate (ton/yr) =** | 606,125 | 606,125 | 606,125 | 606,125 | 606,125 | 606,125 |
| **Control Efficiency (%)** | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| **PM (lb/hr)** | 0.0193 | 0.0193 | 0.0193 | 0.0193 | 0.0193 | 0.0193 |
| **PM (ton/yr)** | 0.0314 | 0.0314 | 0.0314 | 0.0314 | 0.0314 | 0.0314 |
| **PM10 (lb/hr)** | 0.0092 | 0.0092 | 0.0092 | 0.0092 | 0.0092 | 0.0092 |
| **PM10 (ton/yr)** | 0.0150 | 0.0150 | 0.0150 | 0.0150 | 0.0150 | 0.0150 |
| **PM2.5 (lb/hr)** | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.0014 |
| **PM2.5 (ton/yr)** | 0.0023 | 0.0023 | 0.0023 | 0.0023 | 0.0023 | 0.0023 |

*Control Efficiency of 98.5% utilized to account for wet material (due to the use of water to control dust) and material being pre-washed.*

**Material Handling - Sand Transfer Points**

| | | | | |
|---|---|---|---|---|
| Enter the number of Sand Transfer Points (Enter 1-9) | 6 | | **Maximum Mass Flow Rate (ton/hr)** | 143 |
| Use the maximum material mass flowrate? ("Yes" or "No") | Yes | | **Maximum Mass Flow Rate (ton/yr)** | 464,100 |

| **EPN (Identified on Process Flow Diagram)** | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| **Hourly Mass Flow Rate (ton/hr) =** | 143 | 143 | 143 | 143 | 143 | 143 |
| **Annual Mass Flow Rate (ton/yr) =** | 464,100 | 464,100 | 464,100 | 464,100 | 464,100 | 464,100 |
| **Control Efficiency (%)** | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| **PM (lb/hr)** | 0.0045 | 0.0045 | 0.0045 | 0.0045 | 0.0045 | 0.0045 |
| **PM (ton/yr)** | 0.0073 | 0.0073 | 0.0073 | 0.0073 | 0.0073 | 0.0073 |
| **PM10 (lb/hr)** | 0.0021 | 0.0021 | 0.0021 | 0.0021 | 0.0021 | 0.0021 |
| **PM10 (ton/yr)** | 0.0034 | 0.0034 | 0.0034 | 0.0034 | 0.0034 | 0.0034 |
| **PM2.5 (lb/hr)** | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 | 0.0003 |
| **PM2.5 (ton/yr)** | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 | 0.0005 |

*Control Efficiency of 98.5% utilized to account for wet material (due to the use of water to control dust) and material being pre-washed.*

**Raw Material Stockpile Emissions (EPN STK)**

| | |
|---|---|
| Stockpile Area (acres) | 0.5 |
| Control Efficiency (%) | 98.5 |
| Number of Active Days per Year | 312 |
| PM Inactive Emissions (ton/yr) | 0.0007 |
| PM10 Inactive Emissions (ton/yr) | 0.0003 |
| PM2.5 Inactive Emissions (ton/yr) | 0.0001 |
| PM Active Emissions (ton/yr) | 0.0154 |
| PM10 Active Emissions (ton/yr) | 0.0077 |
| PM2.5 Active Emissions (ton/yr) | 0.0012 |
| **TOTAL PM Emissions (ton/yr)** | **0.0161** |
| **TOTAL PM10 Emissions (ton/yr)** | **0.0081** |
| **TOTAL PM2.5 Emissions (ton/yr)** | **0.0012** |

*Control Efficiency of 98.5% utilized to account for wet material (due to the use of water to control dust) and material being pre-washed.*

*Active stockpile emission factors take into account emissions from stockpile formation (loading onto), digging into stockpiles (loading out of), traffic in stockpile areas, and wind erosion of stockpiles.*

## Cement Silo Emission Rates

| How many cement silos? (Up to 4) | 2 |
|---|---|
| Would you like to use the manufactures filter efficiency? | Yes |

| Emission Factors - Cement Silo | | |
|---|---|---|
| $lb_{PM}$/ton | $lb_{PM10}$/ton | $lb_{PM2.5}$/ton |
| 0.730 | 0.470 | 0.080 |

| EPN (Identified on Process Flow Diagram) | 10 | 11 |
|---|---|---|
| Hourly Loading Rate (ton/hr) | 49 | 49 |
| Annual Loading Rate (ton/yr) | 159,575 | 159,575 |
| Control Efficiency (%) | 99.5 | 99.5 |
| PM (lb/hr) | 0.1792 | 0.1792 |
| PM (ton/yr) | 0.2912 | 0.2912 |
| PM10 (lb/hr) | 0.1154 | 0.1154 |
| PM10 (ton/yr) | 0.1875 | 0.1875 |
| PM2.5 (lb/hr) | 0.0197 | 0.0197 |
| PM2.5 (ton/yr) | 0.0321 | 0.0321 |

**BACT requires a mimimum control efficiency of at least 99%**

## Supplement Silo Emission Rates

| How many supplement silos? (Up to 4) | 1 |
|---|---|
| Would you like to use the manufactures filter efficiency? | Yes |

| Emission Factors - Supplement Silo | | |
|---|---|---|
| $lb_{PM}$/ton | $lb_{PM10}$/ton | $lb_{PM2.5}$/ton |
| 3.14 | 1.10 | 0.19 |

| EPN (Identified on Process Flow Diagram) | 12 |
|---|---|
| Hourly Loading Rate (ton/hr) | 7 |
| Annual Loading Rate (ton/yr) | 23,725 |
| Control Efficiency (%) | 99.5 |
| PM (lb/hr) | 0.1146 |
| PM (ton/yr) | 0.1862 |
| PM10 (lb/hr) | 0.0402 |
| PM10 (ton/yr) | 0.0652 |
| PM2.5 (lb/hr) | 0.0069 |
| PM2.5 (ton/yr) | 0.0112 |

**BACT requires a mimimum control efficiency of at least 99%**

## Cement/Supplement Weigh Hopper Emissions

| Is there a cement/supplement weigh hopper? (Yes or No) | Yes |
|---|---|
| Is it equipped with its own dust collector? (Yes or No) | Yes |
| | |
| Please Select the Calculation Method from the Pull Down Menu: | **Outlet Grain Loading** |

| EPN 9 | |
|---|---|
| Flow Rate (acfm) | 700 |
| Outlet Loading (gr/acfm) | 0.01 |
| PM (lb/hr) | 0.0600 |
| PM (ton/yr) | 0.2628 |
| PM10 (lb/hr) | 0.0600 |
| PM10 (ton/yr) | 0.2628 |
| PM2.5 (lb/hr) | 0.0600 |
| PM2.5 (ton/yr) | 0.2628 |

**Truck Loading Emission Rates**

| | |
|---|---|
| What is the central baghouse efficiency? (%) | 99.5 |
| Use the Default Suction Shroud Capture Efficiency? | Yes |

**Default Capture Efficiency % =** **97.3**

**Central Baghouse Stack Emission Rates (EPN 8)**

| | |
|---|---|
| PM (lb/hr) | 0.3068 |
| PM (ton/yr) | 0.4985 |
| PM10 (lb/hr) | 0.0851 |
| PM10 (ton/yr) | 0.1382 |
| PM2.5 (lb/hr) | 0.0145 |
| PM2.5 (ton/yr) | 0.0236 |

**Truck Loading Fugitive Emission Rates (EPN 7)**

| | |
|---|---|
| PM (lb/hr) | 1.702 |
| PM (ton/yr) | 2.767 |
| PM10 (lb/hr) | 0.472 |
| PM10 (ton/yr) | 0.767 |
| PM2.5 (lb/hr) | 0.081 |
| PM2.5 (ton/yr) | 0.131 |

| Truck Loading Emission Factors | | |
|---|---|---|
| $lb_{PM}$/ton | $lb_{PM10}$/ton | $lb_{PM2.5}$/ton |
| 1.118 | 0.310 | 0.053 |

**Material Maximum Throughput**

| | **ton/hr** | **ton/yr** |
|---|---|---|
| Aggregate | 187 | 606,125 |
| Sand | 143 | 464,100 |
| Cement | 49 | 159,575 |
| Supplement | 7 | 23,725 |

## Engine (Generator) Stack Emissions (EPN 13)

| | |
|---|---|
| Engine Make & Model: | John Deere 4045HFC09 |
| Maximum Rated HP: | 173 |
| Hours of Operation per Year: | 8760 |

| | Emission Factor | Emission Rates | |
|---|---|---|---|
| | lb/hp-hr | lb/hr | ton/yr |
| **NOx** | 0.0310 | 5.36 | 23.49 |
| **CO** | 0.0067 | 1.16 | 5.06 |
| **SO2** | 0.0021 | 0.35 | 1.55 |
| **TOC** | 0.0025 | 0.43 | 1.87 |
| **PM** | 0.0022 | 0.38 | 1.67 |
| **PM10** | 0.0022 | 0.38 | 1.67 |
| **PM2.5** | 0.0022 | 0.38 | 1.67 |

*Emission factors sourced from AP-42 Section 3.3 Table 3.3.-1. No emission factors are available for PM10 & PM2.5, therefore the PM emission rates were used in lieu of emissions data to provide a conservative estimate of emissions.*

**Emission Summary**

| Emission Point Number(s) | Name | PM | | PM10 | | PM2.5 | | NOx | | CO | | SO2 | | VOC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr |
| 1-6 | Material Handling | 0.14 | 0.23 | 0.07 | 0.11 | 0.01 | 0.02 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| STK | Stockpiles | -.-- | 0.02 | -.-- | 0.01 | -.-- | 0.001 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| 7 | Loading Fugitives | 1.70 | 2.77 | 0.47 | 0.77 | 0.08 | 0.13 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| 8 | Central Baghouse Stack | 0.31 | 0.50 | 0.09 | 0.14 | 0.01 | 0.02 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| 9 | Weigh Hopper Dust Collector | 0.06 | 0.26 | 0.06 | 0.26 | 0.06 | 0.26 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| 10-12 | Silo-Top Dust Collectors | 0.47 | 0.77 | 0.27 | 0.44 | 0.05 | 0.08 | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- | -.-- |
| 13 | Engine (Generator) Stack | 0.38 | 1.67 | 0.38 | 1.67 | 0.38 | 1.67 | 5.36 | 23.49 | 1.16 | 5.06 | 0.35 | 1.55 | 0.43 | 1.87 |

## References

The purpose of this section is to address the source of the Emission factors and capture efficiencies.

Emission Factors (EF) are in units are lb of pollutant per ton of material (see footnote "a" from AP-42 Ch. 11.12 Table 11.12-2) unless otherwise specified.

## Concrete Composition

The default composition of concrete is from AP-42 Ch. 11.12 Concrete Batching.

Footnote "a" from AP-42 Ch. 11.12 Table 11.12-2

## Material Handling - Sand and Aggregate Transfer Points

The emission factors are from AP-42 Ch. 11.12 Table 11.12-2

The PM2.5 emission factors are based on a ratio of the aerodynamic particle size multipliers (k multiplier) represented in Aggregate Handling and Storage Piles AP-42 Ch. 13.2.4. The emission factors for PM and PM10 listed in Ch. 11.12 for material transfer points are derived using the Aggregate Handling and Storage Piles AP-42 Ch. 13.2.4 equation. See AP-42 Ch. 11.12 Table 11.12-2 footnote "b".

## Raw Material Stockpile Emissions

Emission Factors for the stockpiles have the following units: lb of pollutant per acre per day

The PM active and inactive emission factors are from "Cowherd, Jr., C. *Development Of Emission Factors For Fugitive Dust Sources* . EPA document Number. EPA-450/3-74-037. Research Triangle Park: U. S. Environmental Protection, 1974"

PM10 is estimated as 50% of PM based on the "k" factors listed in Aggregate Handling and Storage Piles AP-42 Ch. 13.2.4.

The PM2.5 factor is derived from a ratio listed in the Background Document for Revisions to Fine Fraction Ratios Used for AP-42 Fugitive Dust Emission Factors (Ch. 13.2) and "k" factors listed in Aggregate Handling and Storage Piles AP-42 Ch. 13.2.4.

## Material Silos

The emission factors are from AP-42 Ch. 11.12 Table 11.12-2

Emission Factor (EF) Units are lb of pollutant per ton of material

The emission factor for PM2.5 was assumed to be 17.1% of PM10. The value of 17.1% represents the percentage of PM10 that is PM2.5 according to the worst case loading emission factors for a truck mix operation. The PM2.5 factors listed in the AP-42 documents for truck and mixer loading are based on lbPM2.5 per ton cement and cement supplement (see Loading Emission Rates). The worst case percentage of PM2.5 in PM10 from the EPA loading factors is 17.1%.

## Cement/Supplement Weigh Hopper Emissions

Emission factors are not quantified for this potential emission point.

Since an emission factor was not quantified there are three preferred approaches: assume the emissions negligible if it vented to another device meeting BACT; treat it as a material drop point and apply a control efficiency; and the outlet grain loading method.

The control efficiency method is used in conjunction with the Aggregate Handling and Storage Piles AP-42 Ch. 13.2.4 equation to estimate emissions. The same wind speed used to develop the aggregate drop point emission factors listed in AP-42 Ch. 11.12 Table 11.12-2 was used in the Ch.13 Equation. The lowest acceptable moisture content of 0.25% was assumed.

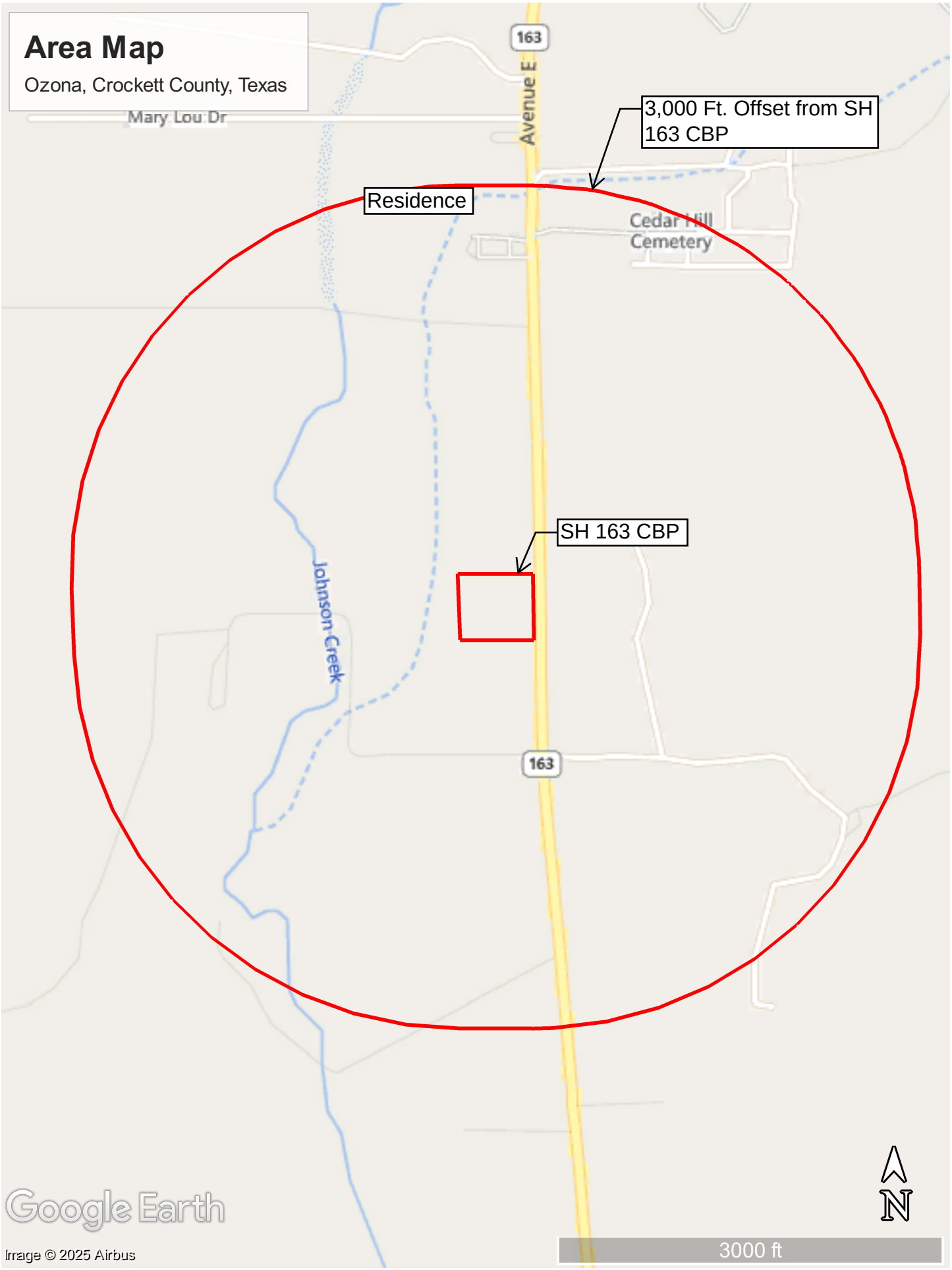
## Loading Emission Rates

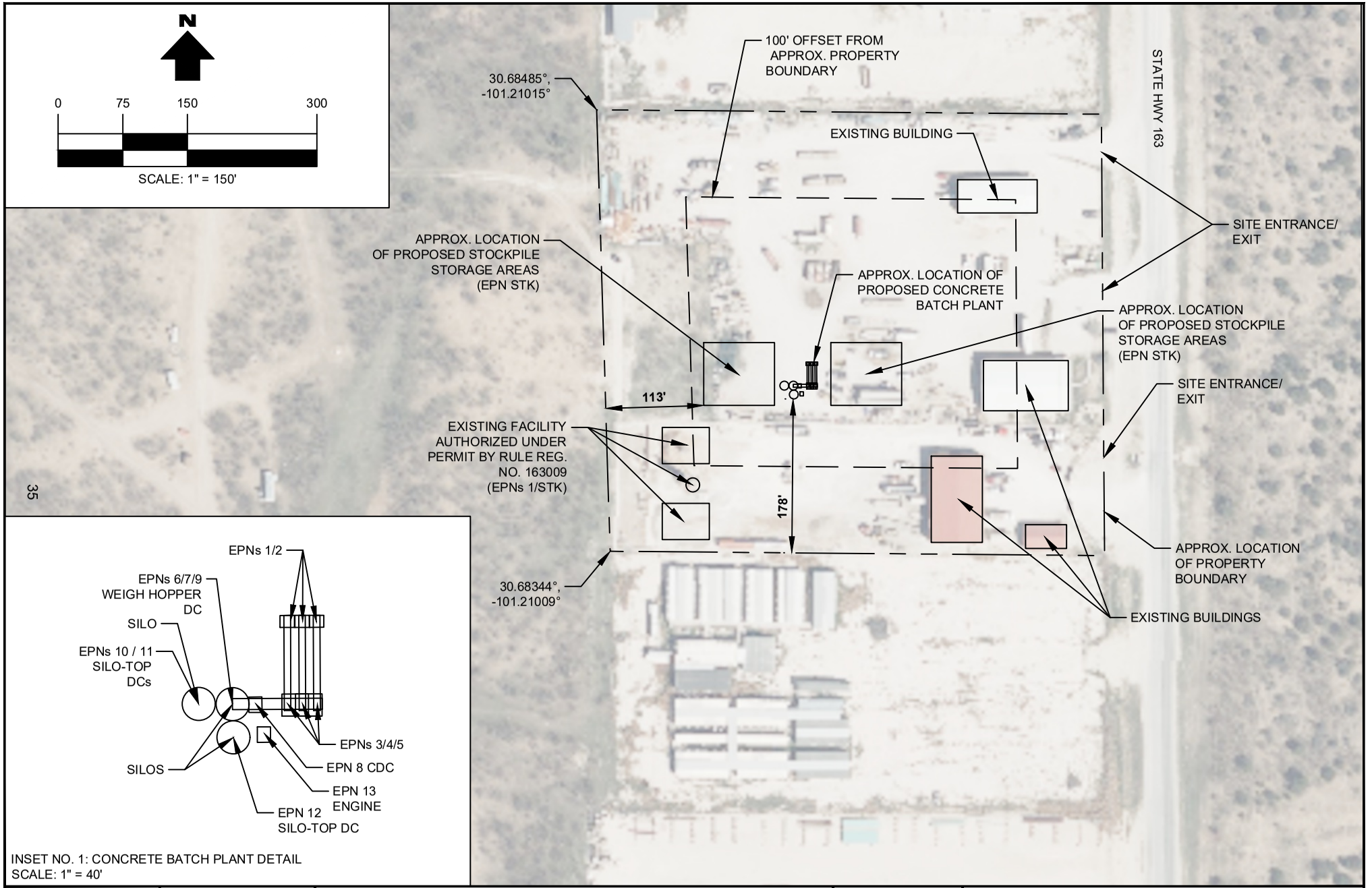
PM Emission Factor (EF) Units are lb of pollutant per ton of cement and cement supplement.

Emission factors (PM & PM10) are from AP-42 Ch. 11.12 Table 11.12-2.

The emission factors for PM2.5 are located in AP-42 Ch. 11.12 Background Document Table 18.6.

The default emissions captured by the suction shroud is the average listed in AP-42 Ch 11.12 Background Document Table 17.1 and Table 17.2.


Area Map
Ozona, Crockett County, Texas
Mary Lou Dr
163
Avenue E
3,000 Ft. Offset from SH 163 CBP
Residence
Cedar Hill Cemetery
SH 163 CBP
Johnson Creek
163
Google Earth
Image © 2025 Airbus
N
3000 ft




INSET NO. 1: CONCRETE BATCH PLANT DETAIL
SCALE: 1" = 40'

| | | | |
|---|---|---|---|
| REVISION: | N/A | DATE: | 7/7/2025 |
| PROJECT NO.: | 366-006 | SCALE: | 1" = 150' |
| SHEET NO.: | 1/1 | DRAWN BY: | CH |
| | | CHECK BY: | JB |

# PLOT PLAN

## OZONA, CROCKETT CO., TX

ELM CREEK
ENVIRONMENTAL & ENGINEERING
611 S. HWY 78, SUITE 132 WYLIE, TX 75098 PHONE: 469-946-8195
TEXAS ENGINEERING FIRM F-26145 WWW.ELMCREEKENV.COM

# Technical Data Sheet

| | |
|---|---|
| **Filter Media:** | Spunbond |
| **Construction:** | 100% Polyester spunbond media with point bond finish |
| **Color:** | White |
| **Weight (nominal):** | 7.7 oz/yd² (260 g/m²) |
| **Thickness (nominal):** | 0.024 inch (0.66 mm) |
| **Permeability:** | 18 – 26 ft³/ft²/min @ 0.5" $H_2O$ – ASTM D 737<br>9.1 – 13.2 cm³/cm²/sec @ 125 Pa – ASTM D 737<br>86 – 125 l/dm²/min @ 200 Pa – DIN 53887 |
| **Max. Operating Temperature:** | 250°F (121°C) |
| **Tensile Strength (nominal):** | 200 lbs/2-in. strip (91 kg/5 cm strip) – MD<br>125 lbs/2-in. strip (57 kg/5 cm strip) – CMD |
| **Mullen Strength (nominal):** | 350 lbs/in² (24.6 kg/cm²) |
| **Dust Release Properties:** | Very Good |
| **Filtration Efficiency:** | > 99.9% for particle size range between 0.2 µ > 2.0 µ |
| **BGIA-Filter Class:** | "M" – pet Test Method: DIN EN 60335-2-69 |
| **FDA Conformity:** | FDA – 21 CFR 177.1630<br>30.31 LFGB |

Donaldson Company Inc.

P.O. Box 1299, Minneapolis, MN 55440

800.365.1331 Tel / 952.887.3054 Fax

www.donaldsontorit.com

Air Permit Work Sheet for DCI Dust Collector

| | |
|---|---|
| Dust Collector Model No | 9FS6 |
| Type of Collector | Central |
| Cleaning Mechanism | Pulse Jet w/adjustable timer |
| Fan Included | Y |
| Collector Flow Rate | 5,000 acfm |
| Filter Material | Spunbond Polyester |
| Filter Efficiency | 99.99 |
| Filter Media Max Pressure Drop | 10 in H20 |
| Total Area of Filter Media | 558 sqft |
| Nominal Filter Diameter | 6 in |
| Nominal Filter Length | 78 in |
| Quantity of Filters | 9 |
| Number of Compartments | 1 |
| Number of Filters per Compartment | 9 |
| Filtering Velocity | 8.96 acfm / ft2 of cloth |
| Maximum concrete production | 275 yds/hr |
| Number of fill lines | 0 |
| Application Flow Rate | 5,000 acfm |
| Type of Particulate Controlled | 3. cement & flyash |
| Name of Source(s) or Equipment being Controlled | 04. Truck Mix Loading (Shroud) |
| Total Number of hours of operation per year | 0 hr/yr |
| Outlet Area | 1.23 ft2 |
| Outlet Velocity | 67.75 ft/s |

| | PM Inlet | PM Outlet | PM 10 Inlet | PM 10 Outlet | PM 2.5 Inlet | PM 2.5 Outlet | |
|---|---|---|---|---|---|---|---|
| Particulate Grain Loading ** | 2.02125 | 0.000202125 | 0.56467 | 0.000056467 | ND* | ND* | grains / scf |
| Particulate Emissions ** | 86.62500 | 0.0086625 | 24.20000 | 0.0024200 | ND* | ND* | lbs / hr |
| Particulate Emissions ** | 0.00000 | 0.000000 | 0.00000 | 0.000000 | ND* | ND* | tons / yr |

**Please see attached DCI Emissions Statement

*ND= No Data

| DWG NO. | | | |
|---|---|---|---|
| REV | ZONE | REVISION DESCRIPTION | APPROVAL/DATE |

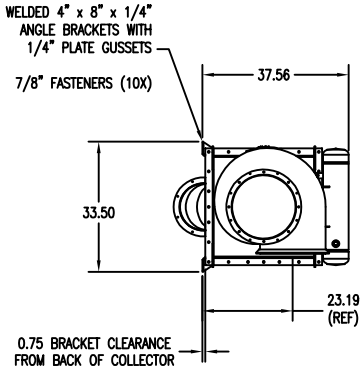
NOTE:

1. DO NOT INSTALL OR OPERATE THIS EQUIPMENT UNTIL YOU HAVE READ AND UNDERSTOOD THE INSTRUCTIONS AND WARNINGS IN THE INSTALLATION AND OPERATION MANUAL. FOR A REPLACEMENT MANUAL CONTACT DONALDSON COMPANY, INC. (800-365-1331)

2. NFPA 68-2007
   EXPLOSION VENT DUCTING LONGER THAN ONE HYDAULIC DIAMETER (23 INCHES) OR WITH BENDS, ELBOWS OR OBSTRUCTIONS ENTAILS SIGNIFICANT DERATING OF THE EXPLOSION VENT. ALL PROPOSALS INCLUDING EXPLOSION VENT DUCTS OTHER THAN SHORT, STRAIGHT, OPEN DUCTS SHOULD ALSO BE REFERRED TO DCI ENGINEERING FOR VENT PERFORMANCE CALCULATION AND DERATING, OR CUSTOM VENT SOLUTION. ANY EXPLOSION VENT DUCTING TO BE DESIGNED AND SUPPLIED BY OTHERS.

3. DIMENSIONS ARE IN INCHES AND [MILLIMETERS].

4. ACTUAL COMPRESSED AIR CONSUMPTION MAY VARY DUE TO FEED PIPING DESIGN, PROXIMITY TO ACCUMULATION TANKS, UPSTREAM FLOW DEMAND AND OTHER COMPRESSED AIR SYSTEM EFFECTS.



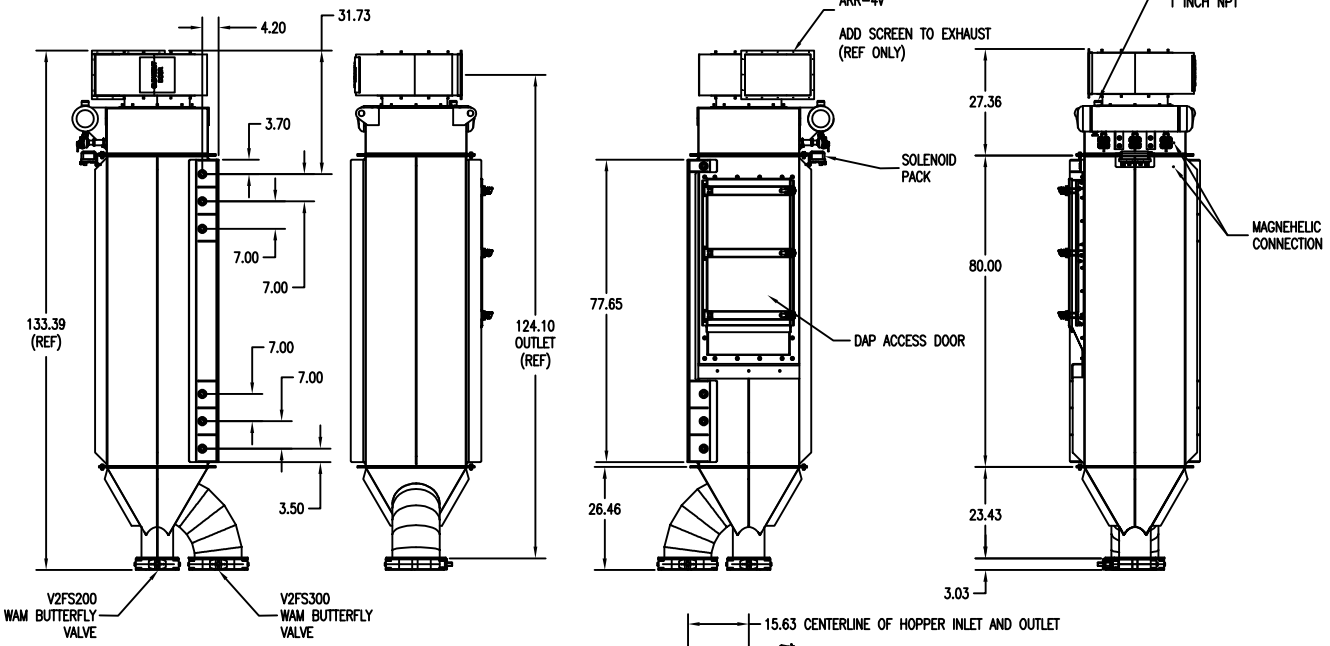

## SPECIFICATIONS FOR 9FS

| | |
|---|---|
| NUMBER OF FILTER BAGS | 9 |
| FILTER BAGS | NEW PLEATED BAG - 78" SPUNBOND 80.8 IN LG, PPL CORE P033423-016-210 |
| NUMBER OF VALVES | 3 |
| COMPRESSED AIR REQUIRED | 90-100 psig [6.2-6.9 bar] |
| AIR CONSUMPTION | 2-3 CFM @ 100 psi |
| HOUSING RATING | -20" WG [-508 mmwg] |
| OPERATING TEMP | 180°F [82° C] |
| STANDARD COLOR | TORIT BLUE |
| SOLENOIDS ENCLOSURE RATING | NEMA 4 |

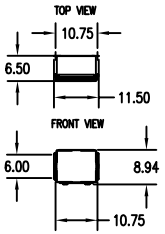
| MODEL | "A" | CLOTH AREA | FILTER DIMENSIONS | APPROXIMATE WEIGHT | PRED |
|---|---|---|---|---|---|
| 9FS6 | 80 | 90 SF | 78" X #6" | 1300 lbs | 0.34 |

## IBC 2009 SPECIFICATIONS:

OCCUPANCY CATEGORY 2
BASIC WIND SPEED AND EXPOSURE: 90 mph [145 km/hr] EXPOSURE C, 3 SEC GUST
SEISMIC SPECTRAL ACCELERATION Ss=1.5 S1=.6, SITE CLASS D
GROUND SNOW LOAD Pg=40 PSF [195Kg/m²]
ROOF LIVE LOAD Lr=20 PSF [98 Kg/m²]
COLLECTOR BASE AT GRADE

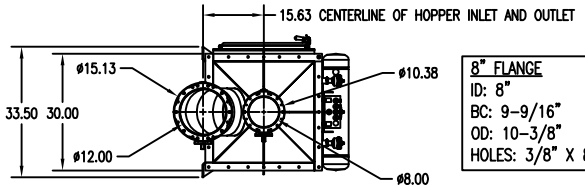



TIMER BOX DETAIL




TIMER BOX SHIP LOOSE TO ALLOW END USER TO INSTALL AT POINT OF USE.

12" FLANGE
ID: 12"
BC: 14"
OD: 15-1/8"
HOLES: 7/16" X 8




8" FLANGE
ID: 8"
BC: 9-9/16"
OD: 10-3/8"
HOLES: 3/8" X 8

THIS DOCUMENT IS NOT CERTIFIED FOR CONSTRUCTION PURPOSES AND IS SUBJECT TO CHANGE WITHOUT NOTICE

# CEMCO INC.
# PROPOSAL DRAWING

| | | | |
|---|---|---|---|
| MATERIAL | RELEASE NO. | TITLE: 9FS6 CUSTOM (REFERENCE - IG13941995L001) | Donaldson |
| | DATE | | |
| | EXP DATE | | |
| | DWN Y XIONG | NUMBER: SR99000507 | |
| REFERENCE | DATE 1/27/2020 | | |
| | CHK | | |
| APPROX WT: | DATE | SCALE NONE / SHEET 1 OF 1 / REVISION | Donaldson Co. Inc. Minneapolis, MN USA |
| PREVIOUS DRAWING NO. | APVD | C/C AUTOCAD 5 | IAF |
| DO NOT SCALE / TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PL ±, 3 PL ±, ANGLES ±° | DATE | SECTIONAL SIZE / OUTLINE SIZE | |
| THIRD ANGLE PROJECTION | | DESIGN CONTROL A531 / DWG LOCATION A888 / VERSION A | |

Donaldson®
Torit®

# TORIT® POWERCORE® DUST COLLECTORS

## CP SERIES

PowerCore®

# SMALLER. SMARTER COLLECTORS.

Torit® PowerCore® dust collection technology from Donaldson® Torit® outperforms traditional baghouse collectors and does so in less space. In one extremely small and powerful package, the Torit PowerCore dust collector handles high airflow, high grain loading, challenging particulate and fits into the smallest places. The filter changeout is remarkably quick, easy and clean compared to the process for traditional bag filters.

Innovative Torit PowerCore dust collectors combine award-winning PowerCore filter packs with a new proprietary compact pulse cleaning system. This proprietary combination delivers high filtration efficiencies not usually found in baghouse filtration.

## TORIT POWERCORE

- **SMALLER**
- **SMARTER**
- **CLEANER**
- **EASIER**
- **COST EFFECTIVE**


UP TO **50%** SMALLER THAN TRADITIONAL BAGHOUSE COLLECTORS

**Torit PowerCore CPC-12**
**vs.**
**Traditional (81) 8-ft. Filter Baghouse**
5000 cfm (8493 m³/h) collectors

# OUTPERFORMS TRADITIONAL BAGHOUSE COLLECTORS

Today's streamlined and lean manufacturing facilities demand peak performance even within the smallest spaces. Torit PowerCore space-saving dust collectors are available as stand-alone models that can be ducted to many different applications, as well as bin vent models used on applications like silos, conveyor transfer points, conveyor discharges, blenders and mixers.

Compared to traditional baghouse collectors with similar airflow capacities, Torit PowerCore CPC dust collectors (as shown on previous page) are up to 50% shorter. The comparison to traditional bag-style bin vents is even more dramatic. CPV bin vent collectors are almost 70% shorter than other bag-style bin vents and effectively address the frequent challenge of tight space limitations.

## SMALLER

Bin vents fit into the tightest spaces

## CLEANER

PowerCore filter packs with Ultra-Web® technology provide higher efficiency for cleaner air. Plus, replacing PowerCore filter packs is a remarkably clean process


## EASIER

Clean-side filter access and fewer, lighter filters means faster, easier filter changes without tools or filter cages

## SMARTER

An optimized airflow management system delivers optimal pulse cleaning while minimizing airflow restriction

## COST EFFECTIVE

Innovative PowerCore filtration technology means reduced freight and installation costs, fewer filter changeouts, lower maintenance costs, and no entry requirements for filter changes

**UP TO 70% SMALLER THAN TRADITIONAL BIN VENT COLLECTORS**

**Torit PowerCore CPV-3**
**vs.**
**Traditional Bin Vent**
1500 cfm (2548 $m^3/h$) collectors

# SMALLER. SMARTER FILTERS.

## POWERCORE FILTER PACK—NOT A BAG, NOT A CARTRIDGE

An entirely new approach to dust collectors, the PowerCore filter pack is small, lightweight, and easily handled by one person. Donaldson's PowerCore technology allows more effective filter area to be packaged in a smaller space: one 7" x 22" (178 x 559 millimeters) PowerCore filter pack contains as much filtering area as 6 eight-foot-long (2.4 meters) traditional filter bags. And the filter media inside PowerCore filter packs is our well-proven Ultra-Web advanced fine fiber technology.

## POWERCORE FILTER PACK

- Changeout from the clean side of the collector — only 1 person required
- Self-centering with a handle for easy changes without tools
- Integrated gasket ensures a good seal with every change
- At only 7" tall, bridging is not a problem

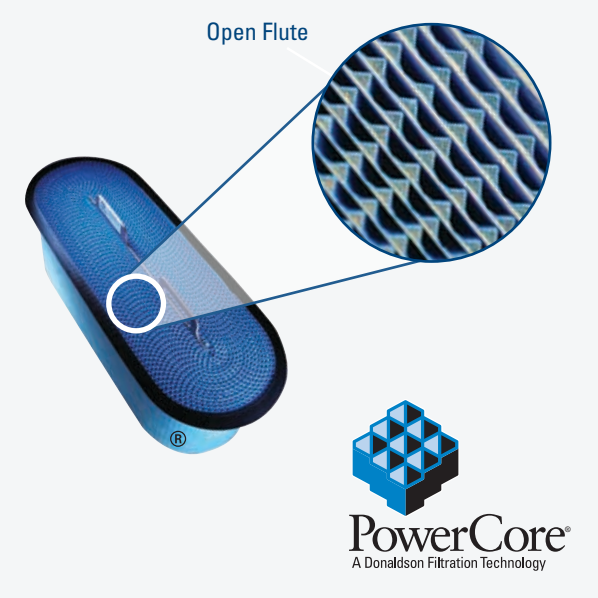
PowerCore®

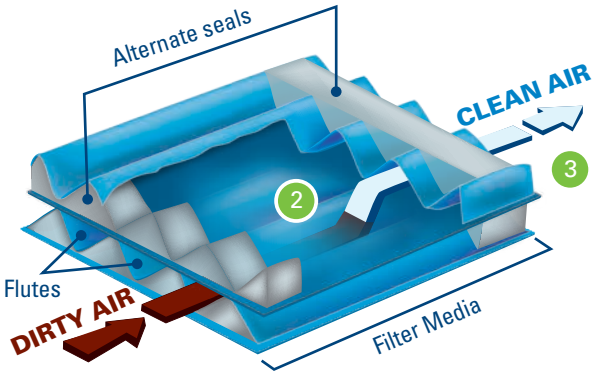
**ONE 7" POWERCORE FILTER PACK** | *replaces* **SIX 8' BAG FILTERS**

# INNOVATIVE MEDIA TECHNOLOGY

## LEADING THE WAY WITH POWERCORE

At the Core is PowerCore. PowerCore filter packs combine proprietary Ultra-Web fine fiber technology with Donaldson's media configuration expertise. The result is a revolutionary filtration technology unlike anything else in the industrial filtration market.



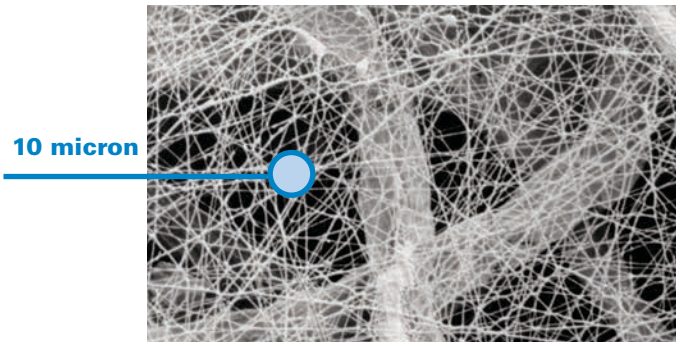

1 Dirty air enters an open flute on the dirty air side of the filter pack.

2 Because the flute is sealed on the opposite end, air is forced to pass through the filter media into an adjacent flute.

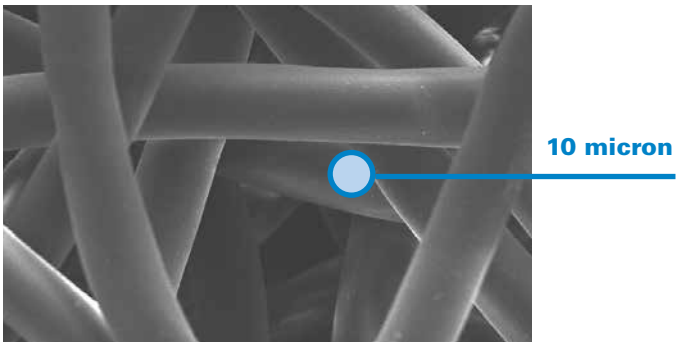
3 The now filtered air exits the filter pack through a flute that is open on the clean air side of the filter pack.

## HIGH PERFORMANCE FILTER MEDIA

In a dramatic departure from the traditional filter bag, the PowerCore filter pack contains Ultra-Web media, which traps more dust on the surface of the fluted channels as compared to conventional bag filter materials like depth-loading 16 oz. (453.6 g) polyester. Surface loading greatly promotes filter cleaning. Better pulse cleaning lowers operational pressure drop and energy use.




**Ultra-Web Fine Fiber Technology (600x)**



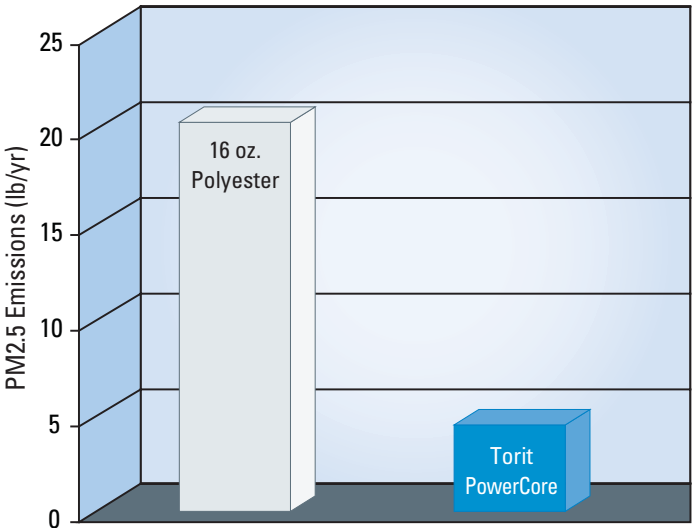

**16 oz. (453.6 g) Polyester (600x)**

# POWERCORE FILTER PACKS – ENGINEERED TO PERFORM

## TECHNOLOGY THAT PERFORMS FOR OVER 25 YEARS

Donaldson Torit Ultra-Web technology has delivered high efficiency filters that last. PowerCore filter packs with Ultra-Web are engineered to perform, balancing high efficiencies with long filter life.

### Lower Emissions with PowerCore Filter Packs




Independent lab results obtained using ASTM D6830-02 per EPA PM 2.5 performance verification. Annual emissions calculated assuming 14,400 cfm (24,461 m3/h) airflow rate, 265 working days per year, and two shifts per day. Field measurements may vary due to differences in dust contaminant and sensitivity of measurement equipment.

## OUTSTANDING PERFORMANCE

Independent laboratory testing conducted on PowerCore CP filter packs with Ultra-Web media have a Minimum Efficiency Reporting Value (MERV) up to 15 based on ASHRAE 52.2 test standard.

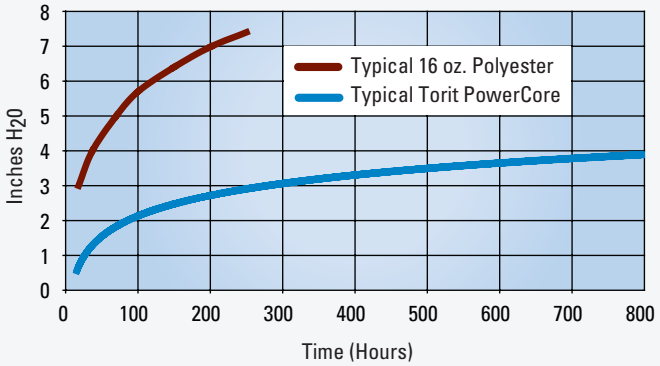
**78%** FEWER EMISSIONS

## EASY ON THE BUDGET

The surface-loading technology of Ultra-Web is proven to provide lower operating pressure drop over a longer period of time, and energy costs can be dramatically reduced. Pressure drop starts high and rises quickly with traditional depth-loading bag filters, resulting most often in excessive energy use.

For proven technology that delivers savings in energy, maintenance, space, and filter changes, the smartest solution is Torit PowerCore.

### Surface Loading Allows Downsizing



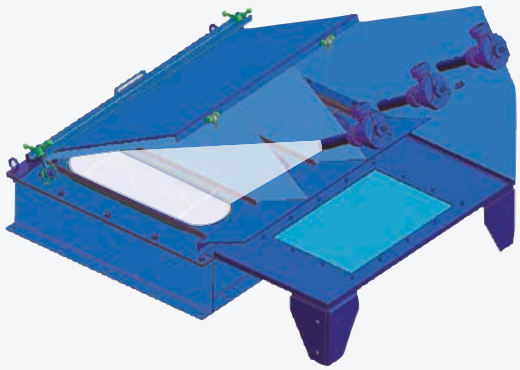

The results from accelerated lab and field tests show that Torit PowerCore can provide lower pressure drop in baghouse applications.

# OPTIMIZED AS A SYSTEM

## SMARTER FILTER CLEANING

Torit PowerCore collectors include a new proprietary compact pulse cleaning system designed to match the pulse energy to the obround shape of the PowerCore filter pack. The resulting pulse flow effectively covers the entire media pack. It easily pulses the dust out of the fluted channels, keeping the pressure drop low and prolonging filter life.

Compact Pulse Cleaning System CPV-1



Compact Oblique Pulse Cleaning System
CPV-2 through CPV-12

## SOPHISTICATED MODELING

Providing optimized pulse cleaning, the pulse accumulator design is based on Donaldson Torit's commitment to technical research and development. FLUENT®* Airflow Modeling Software was used to determine the shape of the pulse accumulators to optimize the pulse energy without restricting the airflow or wasting energy. The pulse accumulators also serve as a filter retention mechanism, securing the filter pack in place and ensuring optimum gasket compression.


Pulse Accumulator
Optimizes Pulse & Seals Filter Pack

* FLUENT is a registered trademark of Fluent, Inc.

# MAKING MAINTENANCE EASIER

## SMALLER, BETTER, SMARTER

Torit PowerCore can reduce your cost of dust collection resulting in significant operational savings. An application previously requiring (81) 8-foot (2.4 meter) bag filters now needs only (12) 7-inch-tall (177.8 mm) PowerCore filter packs. Fewer filters mean lower filter changeout costs and faster changeouts. The smaller collector means lower installation costs and less factory floor or bin space consumption.

| | # of Filters in Collector | Time to Replace* | Labor Cost | Time Savings* | Labor Savings* |
|---|---|---|---|---|---|
| PowerCore Filter Packs | 12 | **ONLY 24 minutes** | $18 | **13.1 hours** | **$590 SAVED** |
| Traditional Bag Filters | 81 | 13.5 hours | $608 | 0 | 0 |

* Savings are based on one changeout. Calculations assume bags and PowerCore filter packs show equal life span; one person replacing one traditional bag filter in 10 minutes; one person changing PowerCore in 2 minutes; labor rates equal $45/hr.

## EASY MAINTENANCE

Replacing PowerCore filter packs is as easy as 1-2-3. Contrary to many traditional baghouse collectors, PowerCore filter packs are lightweight and accessed from the clean side of the collector.

**POWERCORE FILTER PACK REPLACEMENT — EASY. FAST. CLEAN. NO TOOLS OR CAGES REQUIRED.**

**1.** Lift up filter access door. (Clean side of the system)


**2.** Loosen the captive hardware and remove the pulse accumulator.

**3.** Lift out the filter pack for easy replacement.

# NO ENTRY REQUIRED

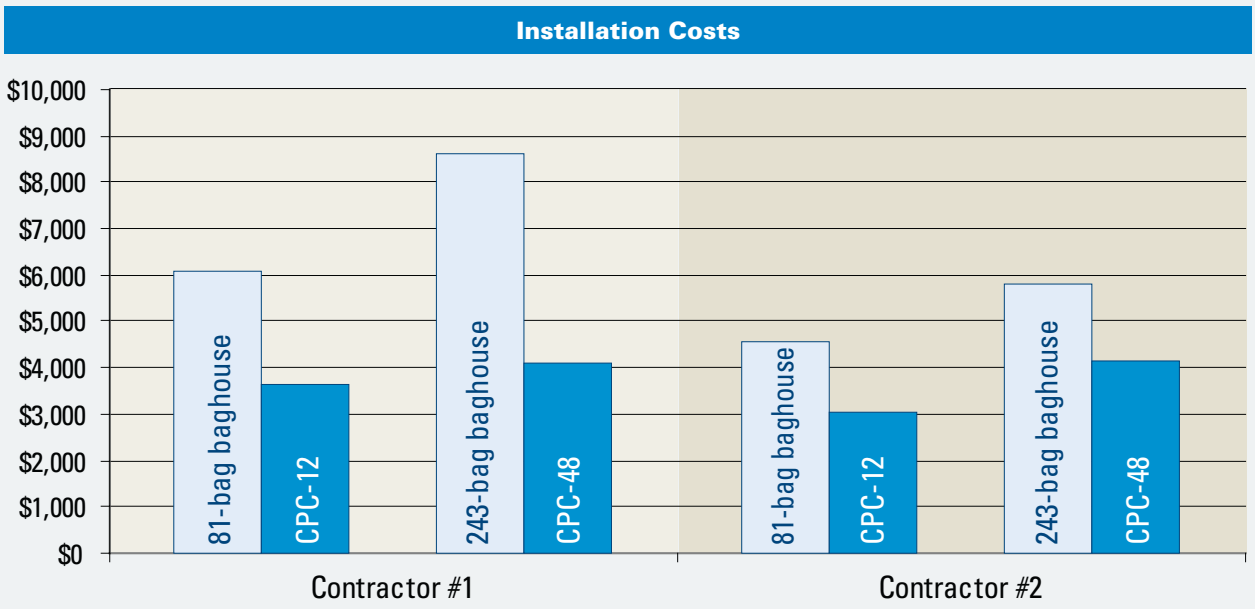
# HOW SMALLER MEANS SMARTER OPERATION

## SMART RESULTS IN MANY WAYS

- Collectors weigh less, so shipping costs are lower
- There are no bag filters or cages to ship and install separately
- Easier filter pack changeouts save time and money
- Airflow design prevents dust bridging between filter packs, creating less maintenance required
- Airflow patterns minimize abrasion, preventing leaks and maintenance common with abrasive dust


A CPV-2 is 70% smaller than a traditional bin vent making shipping easy and reducing freight costs.

## UP TO 50% LOWER INSTALLATION COSTS




The Torit PowerCore system arrives mostly assembled, so installation is faster and easier. Installation costs are reduced 30-50% due to lighter weight, less crane time, and pre-assembly. The filter packs come pre-installed in the collector, so there are no bags or cages to install separately.

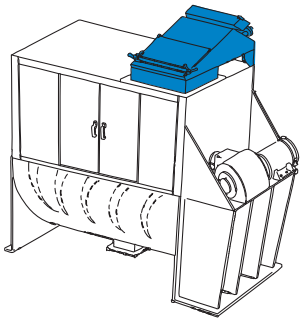
# THE OPTIMIZED SOLUTION FOR MATERIAL HANDLING

## SMARTER SOURCE FILTRATION

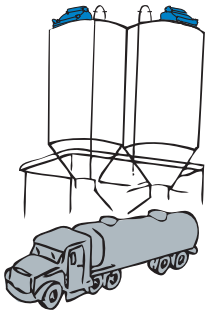
Torit PowerCore CPV bin vent collectors are easily integrated into a variety of material-handling applications—even in tight spaces—providing source filtration that saves money and energy.

## SOURCE COLLECTION WITH TORIT POWERCORE CAN PROVIDE:

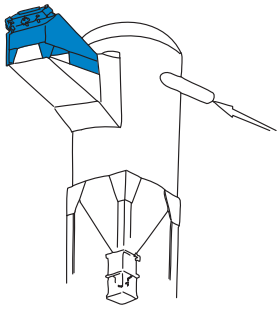
- Lower initial costs: freight, installation, and ducting are all reduced
- Reduced energy consumption as air and dust aren't moved unnecessarily through long ducting runs
- Product will stay in the process, eliminating waste streams and costly recycle systems



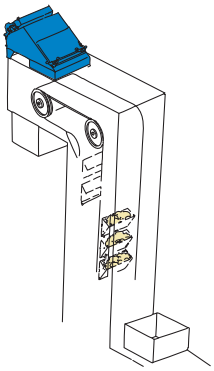
Blender/Mixer



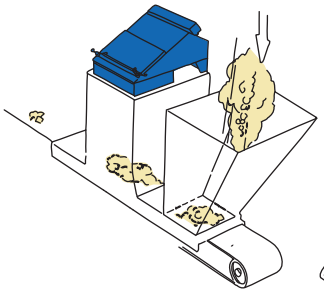
Silo/Bin Vent



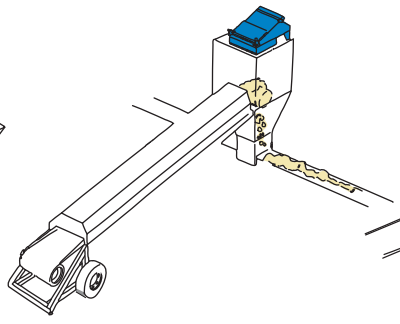
Pneumatic Receiver



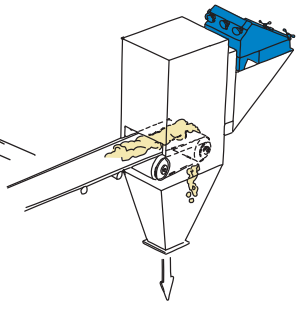
Bucket Elevator



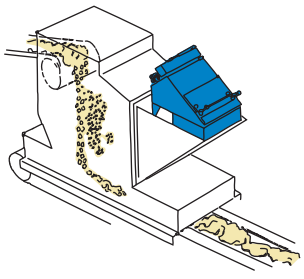
Chute-to-Belt



Tripper Conveyor



Conveyor Discharge



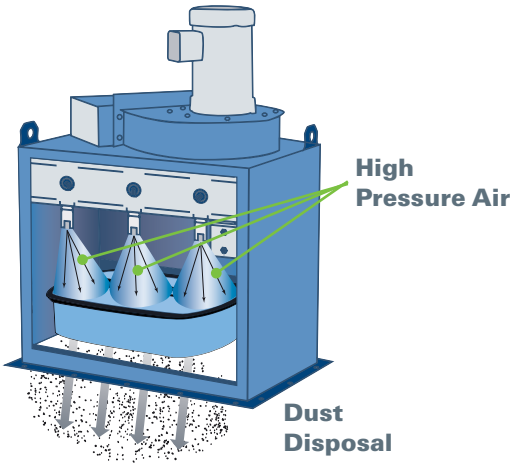
Conveyor Transfer

48

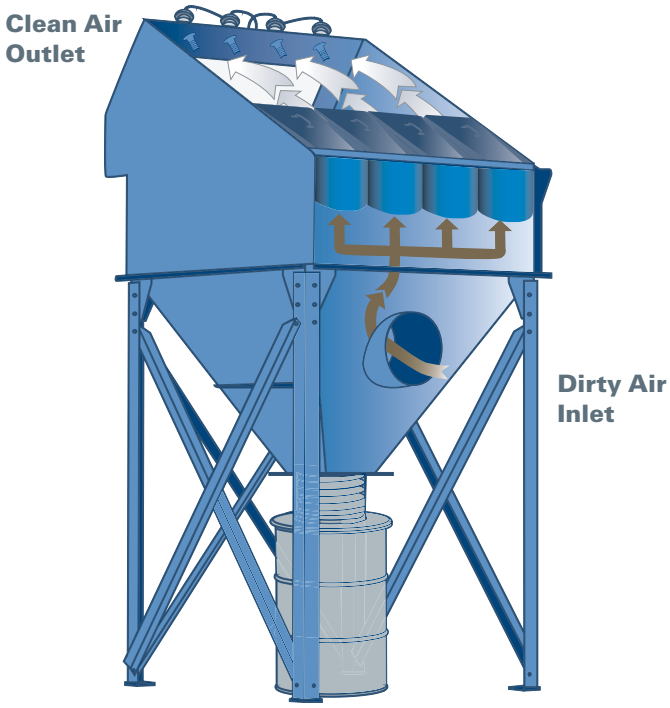
# HOW THE CP SERIES WORKS

- Dust-laden air enters the collector through the dirty air inlet and is directed upward through the filter packs
- Heavier particulate falls directly into the hopper or bin below
- Air is filtered through the filter packs and directed out the clean air outlet
- When pressure drop exceeds a pre-set point, the compact pulse system sends a pulse of cleaning air back through the filter packs and thoroughly cleans the media flutes

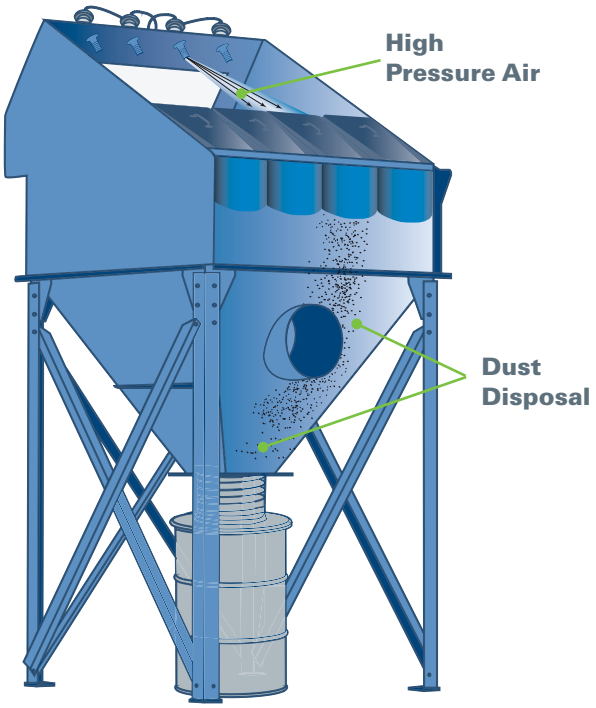

**NORMAL OPERATION**
FOR CPV-1 MODEL




**FILTER CLEANING OPERATION**
FOR CPV-1 MODEL



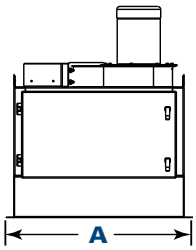

**NORMAL OPERATION**
FOR CPC-3 THROUGH CPC-48 MODELS



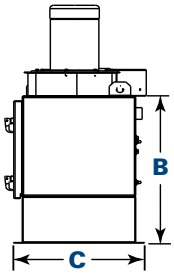

**FILTER CLEANING OPERATION**
FOR CPC-3 THROUGH CPC-48 MODELS

# DIMENSIONS & SPECIFICATIONS

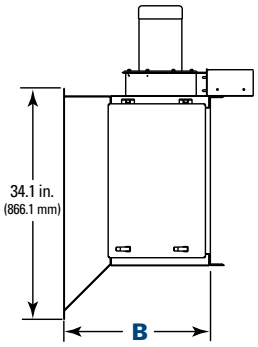
## MODELS CPV-1



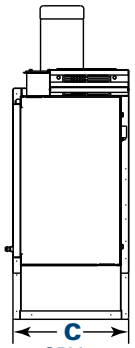
CPV-1
Front View



CPV-1
Side View

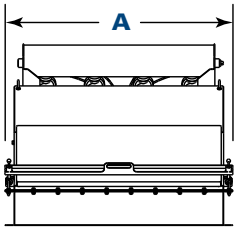


CPV-1
Vertical Front View

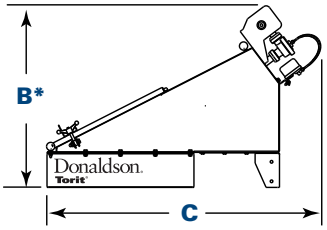


CPV-1
Vertical Side View

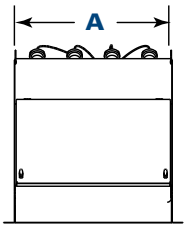
## MODELS CPV-2 TO CPV-12



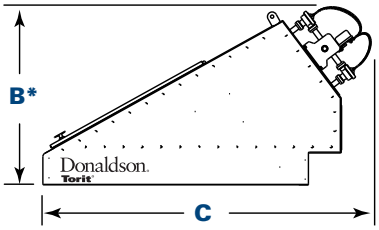
CPV-2, -3, -4
Front View



CPV-2, -3, -4
Side View



CPV-6, -8, -12
Front View



CPV-6, -8, -12
Side View

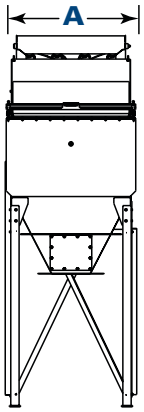
| Model | Nominal Airflow Range** | | No. of Filter Packs | PowerCore Filter Area | | No. of Valves | Shipping Weight | | Housing Rating ("wg) | Dimensions | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | cfm | $m^3/h$ | | $ft^2$ | $m^2$ | | lb | kg | | A | | B* | | C | |
| | | | | | | | | | | in | mm | in | mm | in | mm |
| CPV-1 | up to 700 | up to 1189 | 1 | 63 | 5.9 | 3 | 120† | 54.4† | ±12 | 28.0 | 711.2 | 22.3 | 566.4 | 17.6 | 447.0 |
| CPV-2 | 450 - 1,400 | 764 - 2,378 | 2 | 126 | 11.7 | 2 | 290 | 131.5 | ±20 | 26.8 | 680.7 | 37.2 | 944.9 | 47.7 | 1,211.6 |
| CPV-3 | 700 - 2,000 | 1,189 - 3,397 | 3 | 189 | 17.6 | 3 | 375 | 170.1 | ±20 | 36.8 | 934.7 | 37.2 | 944.9 | 47.7 | 1,211.6 |
| CPV-4 | 1,400 - 2,700 | 2,378 - 4,586 | 4 | 252 | 23.4 | 4 | 460 | 208.7 | ±20 | 46.8 | 1,188.7 | 37.2 | 944.9 | 47.7 | 1,211.6 |
| CPV-6 | 2,100 - 4,100 | 3,567 - 6,964 | 6 | 378 | 35.1 | 6 | 715 | 324.3 | ±20 | 38.0 | 965.2 | 46.1 | 1,170.9 | 83.6 | 2,123.4 |
| CPV-8 | 2,800 - 5,400 | 4,756 - 9,173 | 8 | 504 | 46.8 | 8 | 800 | 362.9 | ±20 | 48.0 | 1,219.2 | 46.1 | 1,170.9 | 83.6 | 2,123.4 |
| CPV-12 | 4,200 - 8,200 | 7,134 - 13,929 | 12 | 756 | 70.2 | 12 | 1290 | 585.1 | ±20 | 70.0 | 1,778.0 | 46.1 | 1,170.9 | 83.6 | 2,123.4 |

* For opening access door, allow a minimum of 2.5" (63.5 mm) above unit for models 2, 3, 4, and a minimum of 20.5" (520.7 mm) for models 6, 8, 12.
** Based on clean filters.
† Shipping weight with integral fan is 160 lbs. (72.6 kg)

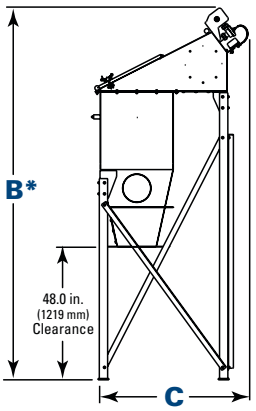
## OPERATING CONDITIONS FOR CP SERIES COLLECTORS

| | | | |
|---|---|---|---|
| Seismic Spectral Acceleration (at grade) | $S_s$ +1.5 & $S_1$= 0.6 | Compressed Air Required (psi/bar) | 90-100/6.2-6.9 |
| Wind Load Rating (mph/kph) | 90/145 | Operating Temperature | 150°F/66 °C |

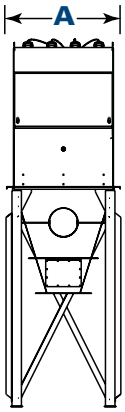
# MODELS CPC-3 TO CPC-48



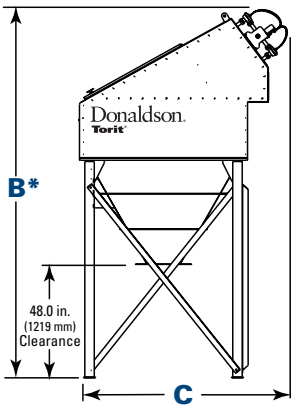

CPC-3, -4
Front View



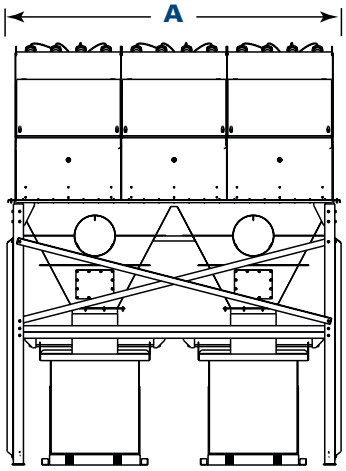

CPC-3, -4
Side View



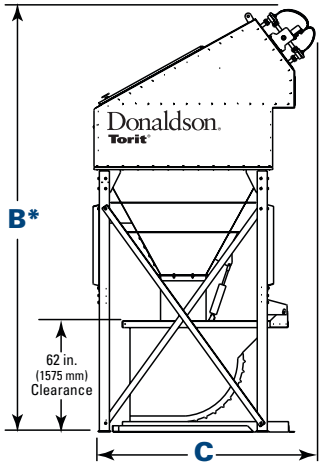

CPC-6, -8, -12, -16
Front View




CPC-6, -8, -12, -16
Side View




CPC-24 with optional dumpster hopper**
Front View




CPC-24 with optional dumpster hopper
Side View

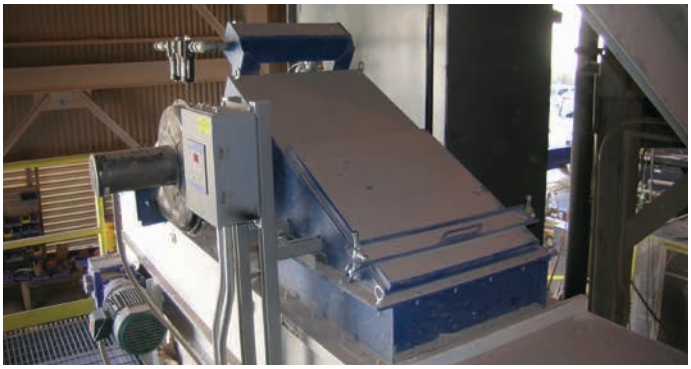
| Model | Nominal Airflow Range† | | No. of Filter Packs | PowerCore Filter Area | | No. of Valves | Shipping Weight | | Housing Rating ("wg) | Dimensions | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | A | | B* | | C*** | |
| | cfm | $m^3/h$ | | $ft^2$ | $m^2$ | | lb | kg | | in | mm | in | mm | in | mm |
| CPC-3 | 700 - 2,000 | 1,189 - 3,397 | 3 | 189 | 17.6 | 3 | 800 | 362.9 | -20 | 36.8 | 934.7 | 118.4 | 3,007.4 | 55.5 | 1,409.7 |
| CPC-4 | 1,400 - 2,700 | 2,378 - 4,586 | 4 | 252 | 23.4 | 4 | 1020 | 462.7 | -20 | 46.8 | 1,188.7 | 134.2 | 3,408.7 | 55.5 | 1,409.7 |
| CPC-6 | 2,100 - 4,100 | 3,567 - 6,964 | 6 | 378 | 35.1 | 6 | 1600 | 725.7 | -20 | 38.6 | 980.4 | 154.2 | 3,916.7 | 85.0 | 2,159.0 |
| CPC-8 | 2,800 - 5,400 | 4,756 - 9,173 | 8 | 504 | 46.8 | 8 | 1685 | 764.3 | -20 | 48.5 | 1,231.9 | 154.2 | 3,916.7 | 85.0 | 2,159.0 |
| CPC-12 | 4,200 - 8,200 | 7,134 - 13,929 | 12 | 756 | 70.2 | 12 | 2100 | 952.5 | -20 | 70.0 | 1,778.0 | 154.2 | 3,916.7 | 85.0 | 2,159.0 |
| CPC-16 | 5,600 - 11,000 | 9,512 - 18,685 | 16 | 1008 | 93.6 | 16 | 2915 | 1,322.2 | -20 | 90.0 | 2,286.0 | 169.2 | 4,297.7 | 85.0 | 2,159.0 |
| CPC-24 | 8,400 - 16,500 | 14,269 - 28,028 | 24 | 1512 | 140.5 | 24 | 3880 | 1,759.9 | -20 | 132.0 | 3,352.8 | 152.2 | 3,865.9 | 85.0 | 2,159.0 |
| CPC-32 | 11,200 - 22,000 | 19,025 - 37,370 | 32 | 2016 | 187.3 | 32 | 5310 | 2,408.6 | -20 | 174.0 | 4,419.6 | 169.2 | 4,297.7 | 85.0 | 2,159.0 |
| CPC-40 | 14,000 - 27,000 | 23,781 - 45,864 | 40 | 2520 | 234.1 | 40 | 6210 | 2,816.8 | -20 | 216.0 | 5,486.4 | 154.7 | 3,929.4 | 85.0 | 2,159.0 |
| CPC-48 | 16,800 - 33,000 | 28,537 - 56,055 | 48 | 3024 | 280.9 | 48 | 7760 | 3,519.9 | -20 | 258.0 | 6,553.2 | 169.2 | 4,297.7 | 85.0 | 2,159.0 |

* For opening access door, allow a minimum of 2.5" (63.5 mm) above unit for models 3, 4, and a minimum of 20.5" (520.7 mm) for models 6, 8, 12, 16, 24, 32, 40, 48.

** CPC-24 through CPC-48 are available with optional pyramid hoppers, trough hoppers, or dumpster hoppers.

*** Standard hoppers. † Based on clean filters.

# SMARTER PERFORMANCE ON MANY TYPES OF DUST



**CPV-2 - Weigh belt feeder with limestone dust**
800 cfm (1,359 m³/h)

**CPC-24 - Paper tissue manufacturing**
7,600 cfm (12,910 m³/h)


**CPV-6 - Direct bin venting distributor head**
2,400 cfm (4,077 m³/h)

**CPV-2 - Day bin with porcelain dust**
800 cfm (1,359 m³/h)

**CPC-12 on Wood Dust at furniture manufacturer**
7,000 cfm (11,891 m³/h)


**CPV-12 - Cement silo bin vent conveyor**
3,700 cfm (6,285 m³/h)

**CPC-3 - Powdered milk dust in cheese factory**
1,200 cfm (2,038 m³/h)

**VISIT DONALDSON.COM/TORITPOWERCORE FOR LATEST CASE STUDIES.**

# STANDARD FEATURES & AVAILABLE OPTIONS

| COLLECTOR DESIGN - POWERCORE CPC | STD | OPT |
|---|---|---|
| Mild Steel Construction | X | |
| Clean-Side Filter Pack Removal | X | |
| Tool-Free Filter Removal | X | |
| Hopper Access Panel | X | |
| Sprinkler Taps | X | |
| Mountable Fan Package (CPC-3 through CPC-24) | | X |
| Stainless Steel Construction | | X |
| **FILTER PACKS** | | |
| PowerCore Ultra-Web® (MERV 13) | X | |
| PowerCore Ultra-Web® (MERV 15) | | X |
| PowerCore Ultra-Web SB (Spunbond) (MERV 13) | | X |
| PowerCore Ultra-Web AS (Anti-Static) (MERV 13) | | X |
| **PAINT SYSTEM** | | |
| Textured Multi-Coat Paint Finish with 2,000-Hour Salt Spray Performance | X | |
| Premium Duty Finish | | X |
| Custom Colors, Materials, and Finishes | | X |
| **PYRAMID HOPPER DISCHARGE OPTIONS** | | |
| Pyramid Hopper | X | |
| Trough Hopper with High Inlet (CPC-16 through CPC-48) | | X |
| Dumpster Hopper (CPC-16 through CPC-48) | | X |
| **HOPPER DISCHARGE** | | |
| Slide Gate Pack | | X |
| 55-Gallon (208.2-Liter) Drum Covers | | X |
| Transitions for Rotary Valves | | X |
| **SUPPORT STRUCTURE †** | | |
| 48" (1219.2 mm) Clearance Beneath Hopper | X | |
| Leg Extensions | | X |
| **ELECTRICAL CONTROLS, GAUGES & ENCLOSURES** | | |
| Control Box NEMA Type 4 with Timer | X | |
| Solenoid Enclosure NEMA Type 4 | X | |
| Magnehelic®* Gauge | X | |
| Delta P Control NEMA Type 4 with Timer | | X |
| Delta P Plus Control NEMA Type 4 with Timer | | X |
| Delta P Control (no timer) | | X |
| Solenoid Enclosure NEMA Type 9 | | X |
| Heated Solenoid Pack | | X |
| Heavy Duty Cold Climate Kit | | X |
| Photohelic®* Gauge | | X |
| Custom Control Panels | | X |
| **SAFETY FEATURES** | | |
| Explosion Vents | | X |
| Sprinkler Pack | | X |
| Platforms and Ladders (CPC 16-48) | | X |
| Electrical Grounding and Bonding | | X |
| **WARRANTY** | | |
| 10-Year Warranty | X | |

| COLLECTOR DESIGN - POWERCORE CPV | STD | OPT |
|---|---|---|
| Mild Steel Construction | X | |
| Clean-Side Filter Pack Removal | X | |
| Tool-Free Filter Removal | X | |
| Mountable Fan Package | | X |
| Outlet Weatherhood | | X |
| Stainless Steel Construction | | X |
| Vertical Orientation | | X |
| **FILTER PACKS** | | |
| PowerCore Ultra-Web® (MERV 13) | X | |
| PowerCore Ultra-Web® (MERV 15) | | X |
| PowerCore Ultra-Web SB (Spunbond) (MERV 13) | | X |
| PowerCore Ultra-Web AS (Anti-Static) (MERV 13) | | X |
| **PAINT SYSTEM** | | |
| Textured Multi-Coat Paint Finish with 2,000-Hour Salt Spray Performance | X | |
| Premium Duty Finish | | X |
| Custom Colors, Materials, and Finishes | | X |
| **SAFETY FEATURES** | | |
| Electrical Grounding & Bonding | | X |
| **ELECTRICAL CONTROLS, GAUGES & ENCLOSURES** | | |
| Control Box NEMA Type 4 with Timer | X | |
| Solenoid Enclosure NEMA Type 4 | X | |
| Magnehelic®* Gauge | X | |
| Delta P Control NEMA Type 4 with Timer | | X |
| Delta P Plus Control NEMA Type 4 with Timer | | X |
| Delta P Control (no timer) | | X |
| Solenoid Enclosure NEMA Type 9 | | X |
| Heated Solenoid Pack | | X |
| Heavy Duty Cold Climate Kit | | X |
| Photohelic®* Gauge | | X |
| Custom Control Panels | | X |
| **WARRANTY** | | |
| 10-Year Warranty | X | |

* Magnehelic and Photohelic are registered trademarks of Dwyer Instruments, Inc.

† Donaldson Torit equipment is designed to IBC guidelines for specific wind speed exposure and seismic spectral acceleration at grade level. Contact your Donaldson Torit representative for detailed information available on the equipment's Spec Control drawings. Equipment may be customized to meet unique, customer-specified site requirements.

## Industry-Leading Technology

- Advanced filtration technology for optimal performance
- Reduced energy consumption and cost of ownership
- Advanced design and testing capabilities

## The Most Filters and Parts

- For every brand and style of collector
- Wide range of filtration media for any application
- 90,000 filters and parts in stock and ready to ship

## Unparalleled Support

- Live technical specialists
- Comprehensive pre- and post-sale support
- 40 manufacturing plants and 14 distribution centers worldwide

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts. **Call Donaldson Torit at 800-365-1331.**



Donaldson.

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Phone: +27 11 997 6000

**Southeast Asia IAF**
Email: IAF.SEA@donaldson.com
Phone: (65) 63117373

F118039 ENG (06/18) PowerCore Dust Collectors - CP Series 

Donaldson
Torit®

# BIN VENT DUST COLLECTOR

## MODELS TBV-2, TBV-4, TBV-6

Cartridge filtration technology that adds economic value and recovers valuable dust.

- Efficient, compact design for applications involving silos, storage bins, or conveyor transfer points
- Available as plenum-mounted and insertable cabinets to keep the profile low
- Units are easily installed on bins or silos, eliminating ductwork and reducing installation expenses
- Standard Ultra-Web® cartridge filters, with fine fiber technology, provide higher filtration efficiency and longer filter life
- MERV* 15 filtration efficiency per ASHRAE 52.2-2007
- Choice of filter cartridges provide high filtration efficiency for a wide variety of applications

Designed for easy filter service and maintenance — no tools required.

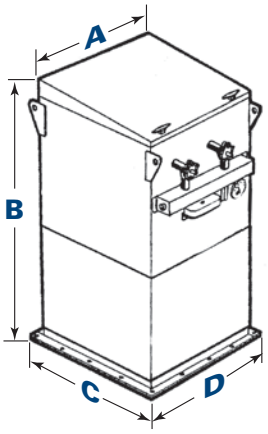
- Easy filter removal and replacement from clean air side makes it unnecessary to enter the silo or storage container
- Continuous-duty, on-demand pulse cleaning provides uninterrupted service and keeps filters clean for a long time

**ULTRA-WEB®**
High Efficiency **Fine Fiber Filters** Built to Last

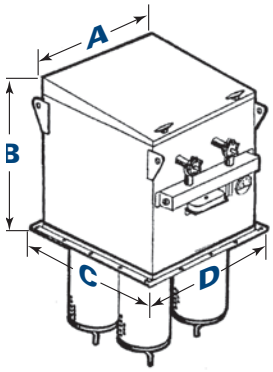

**TBV-4 with Plenum**

* The Minimum Efficiency Reporting Value (MERV) of this filter cartridge has been determined through independent laboratory testing using ASHRAE 52.2 (2007) test standards. The MERV rating was determined at a face velocity of 118 feet (36.0 meters) per minute and loading up to four inches (101.6 millimeters) water gauge. Actual efficiency of any filter cartridge will vary according to the specific application parameters. Dust concentration, airflow, particle characteristics, and pulse cleaning methods all affect filtration efficiency.

# DIMENSIONS & SPECIFICATIONS



Plenum



Insertable

| Models | Filter Area | | | | | | No. of Cartridges | No. of Valves |
|---|---|---|---|---|---|---|---|---|
| | Ultra-Web | | Fibra-Web Ultra-Tek | | Torit-Tex | | | |
| | ft² | m² | ft² | m² | ft² | m² | | |
| TBV-2 | 452 | 42.0 | 220 | 20.4 | 100 | 9.3 | 2 | 2 |
| TBV-4 | 904 | 84.0 | 440 | 40.9 | 200 | 18.6 | 4 | 2 |
| TBV-6 | 1,356 | 126.0 | 660 | 61.3 | 300 | 27.9 | 6 | 3 |

| Models | Dimensions | | | | | | | | | | Shipping Weight | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | | B | | | | C | | D | | | | | |
| | | | Plenum | | Insertable | | | | | | Plenum | | Insertable | |
| | in | mm | in | mm | in | mm | in | mm | in | mm | lb | kg | lb | kg |
| TBV-2 | 34.6 | 878.8 | 53.6 | 1361.4 | 33.1 | 840.7 | 24.2 | 614.7 | 37.5 | 952.5 | 441 | 200.0 | 377 | 171.0 |
| TBV-4 | 34.6 | 878.8 | 54.6 | 1386.8 | 34.1 | 866.1 | 35.4 | 899.2 | 37.5 | 952.5 | 702 | 318.4 | 627 | 284.4 |
| TBV-6 | 51.9 | 1318.3 | 54.6 | 1386.8 | 34.1 | 866.1 | 35.4 | 899.2 | 54.7 | 1389.4 | 792 | 359.2 | 702 | 318.4 |

# STANDARD FEATURES & AVAILABLE OPTIONS

| STANDARD |
|---|
| Ultra-Web® cartridge |
| NEMA 4 enclosure |
| 10-year warranty |

| OPTIONAL |
|---|
| Insertable or plenum style |
| Cartridges<br>• Ultra-Web® FR<br>• Ultra-Tek®<br>• Fibra-Web® & Fibra-Web FR<br>• Torit-Tex™ |
| Weatherhood |
| 1, 2, 3, and 5 hp fans |
| Dampers |
| Chamber silencers |
| Magnehelic®* gauge |
| Photohelic®* gauge |
| NEMA 9 enclosure |
| Hostile environment coating |

* Magnehelic and Photohelic are registered trademarks of Dwyer Instruments, Inc.

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Phone: +52-449-300-2442

**South Africa**
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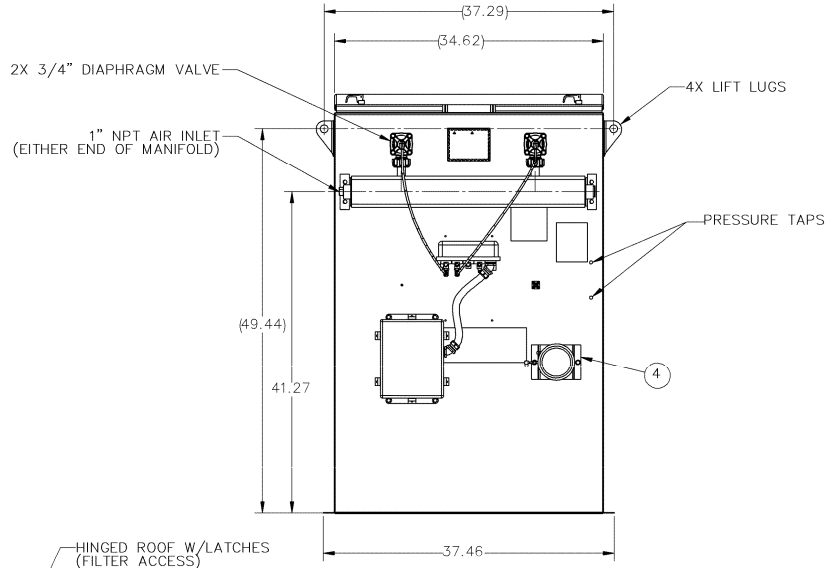
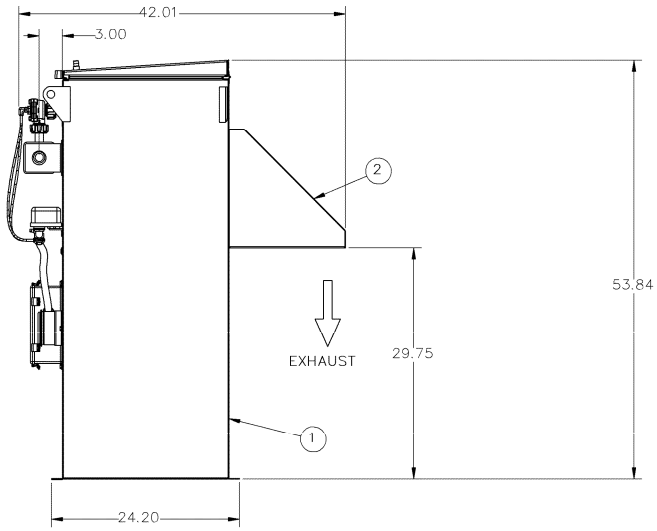
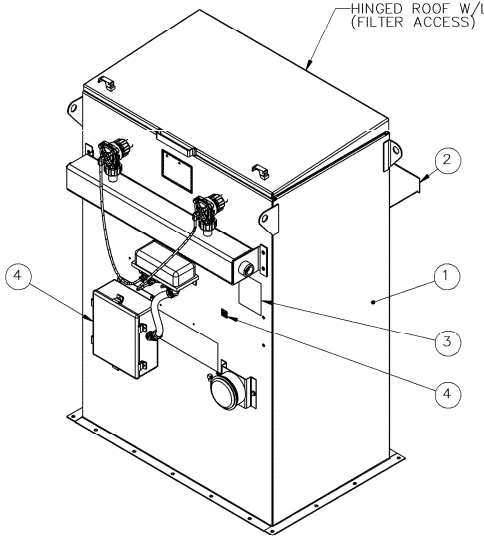
Phone: +27-11-997-6000

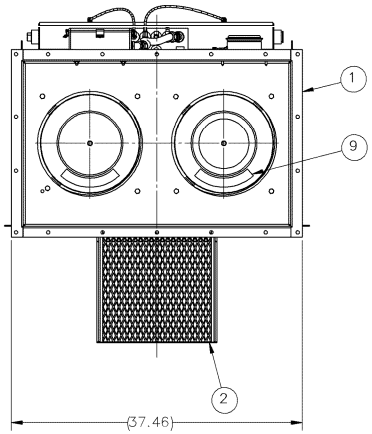
**Southeast Asia**
Email: IAF.SEA@donaldson.com
Phone: +65-6311-7373

| REVISIONS | | |
|---|---|---|
| REV | DESCRIPTION | DWN/DATE |




| ITEM | QTY | PARTNO | DESCRIPTION |
|---|---|---|---|
| 1 | 1 | 1FA 4933602 | CABINET FINAL ASSY TBV2 PLENUM |
| 2 | 1 | 2SG 4936400 | WEATHER HOOD W/ BIRD SCREEN TBV |
| 3 | 1 | 3EA 9391901 | GRAPHIC LOCATION TBV |
| 4 | 1 | 3EA AG8659701 | PREWIRE TBV-2 PLENUM CEMCO |
| 5 | 1 | 5PM 7595501 | MANUAL HOLDER |
| 6 | 1 | 7CT AG8099701 | TEXTURED TORIT BLUE LIQUID (STANDARD) |
| 7 | 1 | 8PP 4894801 | SOLENOID ENCLOSURE ASSY 2 VALVE 115VAC 1/8 NPT NO H |
| 8 | 1 | IOM 4939000 | IOM BIN VENT TBV-2, TBV-4 AND TBV-6 |
| 9 | 2 | P031792 | FILTER ASSEMBLY 12.74 IN OD 26.00 IN LG ULTRA-WEB SB |
| 10 | 1 | RPL AD3860501 | RPL BIN VENT TBV-2, TBV-4, TBV-6 |

MATERIAL

REFERENCE

PREVIOUS DRAWING NO.

DO NOT SCALE

TOLERANCES UNLESS OTHERWISE SPECIFIED: 2 PL ± .25, 3 PL ± .125, ANGLES ± 2°

THIRD ANGLE PROJECTION

RELEASE NO. 202006277
DATE 8/25/2020
EXP DATE
DWN J MENGELKOCH
DATE 8/26/2020
CHK A ABRAMOVICH
DATE 8/26/2020
APVD A ABRAMOVICH
DATE 8/26/2020

TITLE TORIT BIN VENT TBV-2 PLENUM CEMCO

NUMBER 0SM AG8659801

SCALE NONE | SHEET 1 OF 1 | REVISION 0

C/C SW/CADD

SECTIONAL SIZE | OUTLINE SIZE

DESIGN CONTROL A004 | DWG LOCATION A101 | VERSION A

Donaldson. Donaldson Co. Inc. Minneapolis, USA

IAF



54

AG8659801_A_SECT.SLDDRW Wednesday, August 26, 2020 8:21:02 AM

Texas Commission on Environmental Quality

# Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

## Section 1. Preliminary Screening

☒ New Permit or Registration Application

☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

**If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.**

## Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.**

☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

This permit request is not located within any of the geographical locations listed above and is not expected to have significant public interest.

## Section 3. Application Information

**Type of Application (check all that apply):**

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

## Section 4. Plain Language Summary

Provide a brief description of planned activities.

## Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

**Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.**

(City)

(County)

(Census Tract)
Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

## Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

**If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.**

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

**Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.**

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

## Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

## Plain Language Summary for Concrete Batch Plant Standard Permit
## Application for Concrete Batch Plant Standard Permit Registration Number (Pending)

*The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.*

JL Ready Mix Concrete, LLC (CN605808252) has submitted an application to register a permanent concrete batch plant under the Air Quality Standard Permit for Concrete Batch Plants for registration number (pending). The concrete batch plant (RNXXXXXXXXX) is proposed to be located at 608 State Highway 163 Ozona, Crockett County, Texas 76943.

This registration will authorize the concrete batch plant to have a maximum production rate of 200 cubic yards per hour of concrete and operate up to 8,760 hours per year. Particulate matter will be emitted from the handling of aggregate, cement, and fly ash. Products of combustion including particulate matter, carbon monoxide, oxides of nitrogen, organic compounds, and sulfur dioxide will be emitted from the engine/generator powering the facility. Roads and traffic areas will be controlled by watering them/paving them to control dust. Dust from stockpiles will be minimized by watering. Enclosures and dust collectors, including a central baghouse, will be used to control cement and fly ash dust.

## Resumen en Lenguaje Sencillo del Permiso Estándar para Plantas de Hormigón
## Solicitud de Permiso Estándar para Plantas de Hormigón Número de Registro (Pending)

*El siguiente resumen se proporciona para esta solicitud de permiso de aire pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas, según lo dispuesto en el capítulo 39 del Código Administrativo de Texas. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no son representaciones federales ejecutables de la solicitud de permiso.*

JL Ready Mix Concrete, LLC (CN605808252) ha presentado una solicitud para registrar una planta de concreto permanente bajo el Permiso Estándar de Calidad del Aire para Plantas de Concreto con número de registro (pendiente). La planta de concreto (RNXXXXXXXXX) se ubicará en 608 State Highway 163, Ozona, Condado de Crockett, Texas 76943.

Este registro autorizará a la planta mezcladora de concreto a tener una tasa máxima de producción de 200 yardas cúbicas por hora de concreto y operar hasta 8,760 horas al año. Se emitirán partículas en suspensión provenientes del manejo de agregados, cemento y cenizas volantes. El motor/generador que alimenta la planta emitirá productos de combustión, incluyendo partículas en suspensión, monóxido de carbono, óxidos de nitrógeno, compuestos orgánicos y dióxido de azufre. Las carreteras y áreas de tránsito se controlarán mediante riego/pavimentación para controlar el polvo. El polvo proveniente de las pilas de almacenamiento se minimizará mediante riego. Se utilizarán recintos y colectores de polvo, incluyendo una cámara de filtros central, para controlar el polvo de cemento y cenizas volantes.

# Air Quality Standard Permit for Concrete Batch Plants

## Effective Date: January 24, 2024

## (1) Applicability

(A) This air quality standard permit authorizes concrete batch plant facilities that meet all of the conditions listed in sections (1) through (7) and sections (8) or (9). Concrete batch plants that are authorized as temporary operations shall also comply with section (10) for relocation requirements. If a concrete batch plant operates using sections (8) or (9) of this standard permit and operational changes are proposed that would change the applicable section, the owner or operator shall reregister for the concrete batch plant standard permit prior to operating the change.

(B) This standard permit does not authorize emission increases of any air contaminant that is specifically prohibited by a condition or conditions in any permit issued under Title 30 Texas Administrative Code (30 TAC) Chapter 116, Control of Air Pollution by Permits for New Construction or Modification, at the site.

(C) This standard permit does not relieve the owner or operator from complying with any other applicable provision of the Texas Health and Safety Code (THSC), Texas Water Code, rules of the Texas Commission on Environmental Quality (TCEQ), or any additional state or federal regulations.

(D) Facilities that meet the conditions of this standard permit do not have to meet the emissions and distance limitations in 30 TAC § 116.610(a)(1).

## (2) Definitions

(A) Auxiliary storage tank – Storage containers used to hold raw materials for use in the batching process not including petroleum products and fuel storage tanks.

(B) Cohesive hard surface - An in-plant road surface preparation including, but not limited to, paving with concrete, asphalt, or other similar surface preparation where the road surface remains intact during vehicle and equipment use and is capable of being cleaned. Cleaning mechanisms may include water washing, sweeping, or vacuuming.

(C) Concrete batch plant - For the concrete batch plant standard permit, it is a plant that consists of a concrete batch facility and associated abatement equipment, including, but not limited to: material storage silos, aggregate storage bins, auxiliary storage tanks, conveyors, weigh hoppers, and a mixer. Concrete batch plants can add water, Portland cement, and aggregates into a delivery truck, or the concrete may be prepared in a central mix drum and transferred to a delivery truck for transport. This definition does not include operations that meet the requirements of 30 TAC § 106.141, Batch Mixer or 30 TAC § 106.146, Soil Stabilization Plants.

(D) Central mix plant (also known as wet mix) – A concrete batch plant where sand, aggregate, cement, cement supplement, and water are all combined and mixed in a central mix drum before being transferred to a transport truck.

(E) Dust suppressing fencing or other equivalent barrier - A manmade obstruction that is at least 12 feet high that is used to prevent fugitive dust from stationary equipment, stockpiles, in-plant roads, and traffic areas from leaving the plant property.

(F) Permanent concrete batch plant - For the concrete batch plant standard permit, it is a concrete batch plant that is not a temporary or specialty concrete batch plant.

(G) Related project segments - For plants on a Texas Department of Transportation right-of-way, related project segments are one contract with multiple project locations or one contractor with multiple contracts in which separate project limits are in close proximity to each other. A plant that is sited on the right-of-way is usually within project limits. However, a plant located at an intersection or wider right-of-way outside project limits is acceptable if it can be easily associated with the project.

(H) Right-of-way of a public works project - Any public works project that is associated with a right-of-way. Examples of right-of-way public works projects are public highways and roads, water and sewer pipelines, electrical transmission lines, and other similar works. A facility must be in or contiguous to the right-of-way of the public works project to be exempt from the public notice requirements listed in THSC, § 382.056, Notice of Intent to Obtain Permit or Permit Review; Hearing.

(I) Setback distance - The minimum distance from the nearest suction shroud fabric/cartridge filter exhaust (truck mix plant), drum feed fabric/cartridge filter exhaust (central mix plant), batch mixer feed exhaust (specialty plant), cement/fly ash storage silos, and/or engine to any property line.

(J) Site - The total of all stationary sources located on one or more contiguous or adjacent properties, that are under common control of the same person (or persons under common control).

(K) Specialty concrete batch plant - For the concrete batch plant standard permit, it is a concrete batch plant with a low production concrete mixing plant that manufactures concrete less than or equal to 60 cubic yards per hour ($yd^3$/hr). These plants are typically dedicated to manufacturing precast concrete products, including but not limited to burial vaults, septic tanks, yard ornaments, concrete block, and pipe, etc. This does not include small repair projects using mortar, grout, gunite, or other concrete repair materials.

(L) Stationary internal combustion engine - For the concrete batch plant standard permit, it is any internal combustion engine that remains at a location for more than 12 consecutive months and is not defined as a nonroad engine according to 40 Code of Federal Regulations (CFR) 89.2, Definitions.

(M) Temporary concrete batch plant - For the concrete batch plant standard permit, it is a concrete batch plant that occupies a designated site for not more than 180 consecutive days or that supplies concrete for a single project (single contract or same contractor for related project segments), but not for other unrelated projects.

(N) Traffic areas - For the concrete batch plant standard permit, it is an area within the concrete batch plant that includes stockpiles and the area where mobile equipment moves or supplies aggregate to the batch plant and trucks supply aggregate and cement.

(O) Truck mix plant – A concrete batch plant where sand, aggregate, cement, cement supplement, and water are all gravity fed from the weigh hopper into mixer trucks. The concrete is mixed on the way to the site where the concrete is to be placed.

**(3) Administrative Requirements**

(A) The owner or operator of any concrete batch plant seeking authorization under this standard permit shall register in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit. Owners or operators shall submit a completed, current PI-1S-CBP, Concrete Batch Plant Standard Permit Registration Application.

(B) Owners or operators shall also comply with 30 TAC § 116.614, Standard Permit Fees when they are required to complete public notice under section four of this standard permit.

(C) No owner or operator of a concrete batch plant shall begin construction or operation without obtaining written approval from the executive director.

(D) The time period in 30 TAC § 116.611(b) (45 days) does not apply to owners or operators registering plants under this standard permit.

(E) Beginning on the effective date, all new and modified sources must comply with this standard permit.

(F) Renewals shall comply with this standard permit on the later of:

(i) Two years from the effective date; or

(ii) the date the facility's registration is renewed.

(G) Owners or operators of temporary concrete plants seeking registration and those already registered for this standard permit that qualify for relocation under subsection (10)(A) are exempt from public notice requirements in section (4) of this standard permit.

(H) During start of construction, the owner or operator of a plant shall comply with 30 TAC § 116.120(a)(1), Voiding of Permits, and commence construction within 18 months of written approval from the executive director.

(I) Owners or operators are not required to submit air dispersion modeling as a part of this concrete batch plant standard permit registration.

(J) Owners or operators shall keep written records on-site for a rolling 24-month period. Owners or operators shall make these records available at the request of TCEQ personnel or any air pollution control program having jurisdiction. Records shall be maintained on-site for the following including, but not limited to:

(i) 30 TAC § 101.201, Emissions Event Reporting and Recordkeeping Requirements;

(ii) 30 TAC § 101.211, Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements;

(iii) production rates for hourly and annual operations that demonstrate compliance with the tables in subsection (8)(A) or the production limitations in subsection (9)(A) of this standard permit, as applicable;

(iv) all repairs and maintenance of abatement systems and other dust suppression controls;

(v) Material Safety Data Sheets for all additives and other chemicals used at the site;

(vi) road cleaning, application of road dust control, or road maintenance for dust control;

(vii) stockpile dust suppression;

(viii) monthly silo warning device or shut-off system tests;

(ix) quarterly visible emissions observations and any corrective actions required to control excess visible emissions;

(x) demonstration of compliance with subsection (6)(B) of this standard permit;

(xi) type of fuel used to power engines authorized by this standard permit; and

(xii) demonstration of compliance with subsection (5)(L) of this standard permit.

(K) Owners or operators will document and report abatement equipment failure or visible emissions deviations in excess of paragraph (5)(B)(iii) in accordance with 30 TAC Chapter 101, General Air Quality Rules as appropriate.

**(4) Public Notice**

The owner or operator shall follow the notice requirements in 30 TAC Chapter 39, Public Notice, unless a temporary concrete batch plant is exempted from public notice under 30 TAC § 116.178(b), Relocations and Changes of Location of Portable Facilities.

**(5) General Requirements**

(A) Owners or operators shall vent all cement/fly ash storage silos, weigh hoppers, and auxiliary storage tanks to a fabric/cartridge filter or to a central fabric/cartridge filter system except as allowed by subsection (9)(B).

(B) Owners or operators shall maintain fabric or cartridge filters and collection systems in good working condition by meeting all the following:

(i) operating them properly with no tears or leaks;

(ii) using filter systems (including any central filter system) designed to meet a minimum control efficiency of at least 99.5 percent at particle sizes of 2.5 microns and smaller;

(iii) meeting a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using United States Environmental

Protection Agency (EPA) Test Method (TM) 22 in Appendix A-7 to Part 60 - Test Methods 19 through 25E; and

(iv) sufficiently illuminating silo filter exhaust systems when cement or fly ash silos are filled during non-daylight hours to enable a determination of compliance with the visible emissions requirement in paragraph (5)(B)(iii) of this standard permit.

(C) When transferring cement/fly ash, owners or operators shall:

(i) totally enclose conveying systems to and from storage silos and auxiliary storage tanks, operate them properly, and maintain them with no tears or leaks; and

(ii) maintain the conveying system using a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using EPA TM 22 in Appendix A-7 to Part 60 - Test Methods 19 through 25E, except during cement and fly ash tanker connect and disconnect.

(D) The owner or operator shall install an automatic shut-off or warning device on storage silos.

(i) An automatic shut-off device on the silo shall shut down the loading of the silo or auxiliary storage tank prior to reaching its capacity during loading operations to avoid adversely impacting the pollution abatement equipment or other parts of the loading operation.

(ii) If a warning device is used, it shall alert operators in sufficient time to prevent an adverse impact on the pollution abatement equipment or other parts of the loading operation. Visible warning devices shall be kept free of particulate build-up at all times.

(iii) Silo and auxiliary storage tank warning devices or shut-off systems shall be tested at least once monthly during operations and records shall be kept indicating test and repair results according to subsection (3)(J) of this standard permit. Silo and auxiliary storage tank loading and unloading shall not be conducted with inoperative or faulty warning or shut-off devices.

(E) Owners or operators shall control emissions from in-plant roads and traffic areas at all times by one or more of the following methods:

(i) watering them;

(ii) treating them with dust-suppressant chemicals as described in the application of aqueous detergents, surfactants, and other cleaning solutions in the de minimis list;

(iii) covering them with a material such as, (but not limited to), roofing shingles or tire chips and used in combination with (i) or (ii) of this subsection; or

(iv) paving them with a cohesive hard surface that is maintained intact and cleaned regularly.

(F) Owners or operators shall use water, dust-suppressant chemicals, or cover stockpiles, as necessary to minimize dust emissions. Stockpiles shall be limited to a total of no more than 1.5 acres.

(G) Owners or operators shall immediately clean up spilled materials. To minimize dust emissions, owners or operators shall contain, or dampen spilled materials.

(H) There shall be no visible fugitive emissions leaving the property. Observations for visible emissions shall be performed and recorded quarterly. The visible emissions determination shall be made during normal plant operations. Observations shall be made on the downwind property line for a minimum of six minutes. If visible emissions are observed, an evaluation must be accomplished in accordance with EPA TM 22 in Appendix A-7 to Part 60 - Test Methods 19 through 25E, using the criteria that visible emissions shall not exceed a cumulative 30 seconds in duration in any six-minute period. If visible emissions exceed the TM 22 criteria, immediate action shall be taken to eliminate the excessive visible emissions. The corrective action shall be documented within 24 business hours of completion.

(I) The owner or operator shall locate the concrete batch plant operating under this standard permit at least 550 feet from any crushing plant or hot mix asphalt plant. The owner or operator shall measure from the closest point on the concrete batch plant to the closest point on any other facility. If the owner or operator cannot meet this distance, then the owner or operator shall not operate the concrete batch plant at the same time as the crushing plant or hot mix asphalt plant.

(J) When operating multiple concrete batch plants on the same site, the owner or operator shall comply with the appropriate site production and setback limits specified in sections (8) or (9) of this standard permit.

(K) Concrete additives shall not emit volatile organic compounds (VOCs).

(L) All sand and aggregate shall be washed prior to delivery to the site.

(M) Any claim under this standard permit shall comply with the following:

(i) 30 TAC § 116.604, Duration and Renewal of Registrations to Use Standard Permits;

(ii) 30 TAC § 116.605(d)(1), Standard Permit Amendment and Revocation;

(iii) 30 TAC § 116.614;

(iv) the public notice processes established in THSC, § 382.055, Review and Renewal of Preconstruction Permit;

(v) the public notice processes established in THSC, § 382.056;

(vi) the contested case hearing and public notice requirements established in 30 TAC § 55.152(a)(2), Public Comment Period; and

(vii) the contested case hearing and public notice requirements established in 30 TAC § 55.201(h)(i)(C), Requests for Reconsideration or Contested Case Hearing.

(N) The owner or operator of any concrete batch plant authorized by this standard permit shall comply with 30 TAC § 101.4, Nuisance.

**(6) Engines**

(A) This standard permit authorizes emissions from a stationary compression ignition internal combustion engine (or combination of engines) of no more than 1,000 total horsepower (hp).

(B) Owners or operators of concrete batch plants that include one or more stationary compression ignition internal combustion engines shall comply with additional applicable engine requirements in 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 30 TAC Chapter 117, Control of Air Pollution from Nitrogen Compounds, and any other applicable state or federal regulation.

(C) Engine exhaust stacks shall be a minimum of eight feet tall.

(D) Fuel for the engine shall be liquid fuel with a maximum sulfur content of no more than 0.0015 percent by weight and shall not consist of a blend containing waste oils or solvents.

(E) Emissions from the engine(s) shall not exceed 2.61 grams per horsepower-hour (g/hp-hr) of $NO_X$, per manufacturer's specifications. A copy of the manufacturer's specifications shall be kept at the site.

(F) If engines are being used for electrical power or equipment operations, then the site is limited to a total of 1,000 hp in simultaneous operation. There are no restrictions to engine operations if the engines will be on-site for less than 12 consecutive months.

**(7) Planned Maintenance, Startup, and Shutdown (MSS) Activities**

This standard permit authorizes operations including planned startup and shutdown emissions. Maintenance activities are not authorized by this standard permit and will need separate authorization unless the activity can meet the conditions of 30 TAC § 116.119, De Minimis Facilities or Sources.

**(8) Operational Requirements for Permanent and Temporary Concrete Plants**

(A) Concrete batch plants authorized under this standard permit shall be limited to the maximum hourly production rate, and minimum setback distances for the suction shroud fabric/cartridge filter exhaust (truck mix plant), drum feed fabric/cartridge filter exhaust (central mix plant), cement/fly ash storage silos, and/or engine, based upon the plant location as follows:

(i) A single truck mix plant shall operate under the requirements in subsection (8)(E) and shall comply with Table 1 below, except as provided in paragraph (A)(ii) of this section.

**Table 1: Production Rates and Setback Distances, single truck mix plant with shrouded mixer truck-receiving funnel.**

| Location (County) | Production Rate | Setback Distance (ft) |
|---|---|---|
| Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller | 200 $yd^3$/hour | 200 |
| Cameron and Hidalgo | | 300 |
| All other counties | | 100 |

(ii) A single truck mix plant operating under the requirements in subsection (8)(E) and subsection (8)(F) shall comply with Table 2 below.

**Table 2: Production Rates and Setback Distances, single truck mix plant with shrouded mixer truck-receiving funnel and enclosure.**

| Location (County) | Production Rate | Setback Distance (ft) |
|---|---|---|
| All counties | 200 $yd^3$/hour | 100 |

(iii) Multiple truck mix plants at the same site operating under the requirements in subsection (8)(E) and subsection (8)(F) shall comply with Table 3 below.

**Table 3: Production Rates and Setback Distances, multiple truck mix plants at a single site with enclosure.**

| Location (County) | Total Site Production Rate | Setback Distance (ft) for each Plant |
|---|---|---|
| Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller | 300 $yd^3$/hour | 200 |
| Cameron and Hidalgo | | 200 |
| All other counties | | 100 |

(iv) Central mix plants shall comply with Table 4 below.

**Table 4: Production Rates and Setback Distances, central mix plants.**

| Location (County) | Production Rate | Setback Distance (ft) |
|---|---|---|
| Cameron and Hidalgo | 300 $yd^3$/hour | 200 |
| All other counties | | 100 |

(B) Temporary concrete batch plants approved to operate in or contiguous to the right-of-way of a public works project are exempt from subsections (8)(E) and (F) and the minimum setback distances.

(C) Concrete batch plants shall be limited to a maximum production rate of no more than 650,000 cubic yards per year ($yd^3$/yr) in any rolling 12-month period.

(D) The owner or operator shall install and properly maintain a suction shroud at the truck mix batch drop point or a total enclosure of the central mix drum feed exhaust and vent the captured emissions to a fabric/cartridge filter system with a minimum of 5,000 actual cubic feet per minute (acfm) of air.

(E) For truck mix plants, the owner or operator shall shelter the drop point by an intact three-sided enclosure with a flexible shroud hanging from above the truck, or equivalent dust collection technology that extends below the mixer truck-receiving funnel.

(F) For alternative setback distances as listed in subsection (8)(A) Tables 2 and 3, in addition to subsection (8)(E), the owner or operator of truck mix plants shall shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck-receiving funnel.

(G) For permanent plants, the owner or operator shall prevent tracking of sediment onto adjacent roadways and reduce the generation of dust by one or more of the following methods:

(i) watering, sweeping, and cleaning the plant road entrances;

(ii) the use of a rumble grate (or equivalent) that is placed at least 50 feet from a public road to dislodge sediment from the wheels and undercarriage of trucks that haul aggregate, cement, and/or concrete;

(iii) the use of a vacuum truck (or equivalent) to clean the plant road entrances; or

(iv) the use of a tire-wash system (or equivalent) to remove sediment from the wheels and undercarriage of trucks that haul aggregate, cement, and/or concrete. It shall be (1) located in front of some type of traffic restriction such as a scale, plant gate or a stop sign to encourage its proper use, and (2) shall be set back at least 50 feet from the public road. This permit does not authorize the construction and/or use of a truck washing system under Texas Water Code Chapter 26.

(H) Stationary equipment (excluding the suction shroud fabric/cartridge filter exhaust, drum feed fabric/cartridge filter exhaust, cement/fly ash storage silos, and engine), stockpiles, and vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site), shall not be located closer than 50 feet less than the applicable minimum setback distance listed in subsection (8)(A) from any property line.

(I) In lieu of meeting the distance requirements for roads of subsection (8)(H) of this standard permit, the owner or operator shall:

(i) construct and maintain in good working order dust suppressing fencing or other equivalent barriers as a border around roads, other traffic areas, and work areas; and

(ii) construct these borders to a height of at least 12 feet.

(J) In lieu of meeting the distance requirements for stockpiles of subsection (8)(H) of this standard permit, the owner or operator shall contain stockpiles within a three-walled bunker that extends at least two feet above the top of the stockpile.

(K) For permanent plants, the owner or operator shall pave all entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) with a cohesive hard surface that shall be cleaned and maintained intact. All batch trucks and material delivery trucks shall remain on the paved surface when entering, conducting primary function, and leaving the property. The owner or operator shall maintain other traffic areas using the control requirements of subsection (5)(E) of this standard permit.

**(9) Additional Requirements for Specialty Concrete Batch Plants**

(A) Specialty concrete batch plants authorized under this standard permit shall be limited to the maximum hourly production rate, maximum annual production rate in any rolling 12-month period, and minimum setback distance for the batch mixer feed exhaust as follows:

**Table 5: Hourly and Annual Maximum Production Rates and Minimum Setback Distances, Specialty Concrete Batch Plants**

| Maximum Hourly Production Rate ($yd^3$/hr) | Maximum Annual Production Rate ($yd^3$/yr) | Minimum Setback Distance (ft) |
|---|---|---|
| No more than 30 | 131,400 | 100 |
| More than 30 but less than or equal to 60 | 262,800 | 200 |

(B) As an alternative to the requirement in subsection (5)(A) of this standard permit, the owner or operator may vent the cement/fly ash weigh hopper inside the batch mixer.

(C) The owner or operator shall control dust emissions at the batch mixer feed so that no outdoor visible emissions occur by one of the following:

(i) using a suction shroud or other pickup device delivering air to a fabric or cartridge filter;

(ii) using an enclosed batch mixer feed; or

(iii) conducting the entire mixing operation inside an enclosed process building.

(D) The owner or operator shall not operate vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) within a minimum buffer distance of 50 feet less than the applicable minimum setback distance listed in subsection (9)(A) from any property line.

(E) In lieu of meeting the buffer distance requirement for roads and other traffic areas in subsection (9)(D) of this standard permit, owners or operators shall:

(i) construct dust suppressing fencing or other barriers as a border around roads, other traffic areas, and work areas; and

(ii) construct these borders to a height of at least 12 feet.

**(10) Temporary Concrete Plants Relocation Requirements**

(A) The appropriate TCEQ regional office may approve, without the need of public notice referenced in section (4) of this standard permit, the relocation of a temporary concrete batch plant that has previously been determined by the commission to be in compliance with the technical requirements of the concrete batch plant standard permit version adopted at registration that provides the information listed under section (10)(B) and meets one of the following conditions:

(i) a registered portable facility and associated equipment are moving to a site for support of a public works project in which the proposed site is located in or contiguous to the right-of-way of the public works project; or

(ii) a registered portable facility is moving to a site in which a portable facility has been located at the site at any time during the previous two years and the site was subject to public notice.

(B) For relocations meeting subsection (10)(A) of this standard permit, the owner or operator must submit to the regional office and any local air pollution control agency having jurisdiction at least 12 business days prior to locating at the site:

(i) the company name, address, company contact, and telephone number;

(ii) the regulated entity number (RN), customer reference number (CN), applicable permit or registration numbers, and if available, the TCEQ account number;

(iii) the location from which the facility is moving (current location);

(iv) a location description of the proposed site (city, county, and exact physical location description);

(v) a scaled plot plan that identifies the location of all equipment and stockpiles, and also indicates that the required setback distances to the property lines can be met at the new location;

(vi) representation of maximum hourly and annual site production;

(vii) a scaled area map that clearly indicates how the proposed site is contiguous or adjacent to the right-of-way of a public works project (if required);

(viii) the proposed date for start of construction and expected date for start of operation;

(ix) the expected time period at the proposed site;

(x) the permit or registration number of the portable facility that was located at the proposed site any time during the last two years, and the date the facility was last located there. This information is not necessary if the relocation request is for a public works project that is contiguous or adjacent to the right-of-way of a public works project; and

(xi) proof that the proposed site had accomplished public notice, as required by 30 TAC Chapter 39. This proof is not necessary if the relocation request is for a public works project that is contiguous or adjacent to the right-of-way of a public works project.

(C) The owner or operator shall submit a completed current TCEQ Regional Notification Standard Permit/PBR Relocation Form when applying to relocate a temporary concrete batch plant.