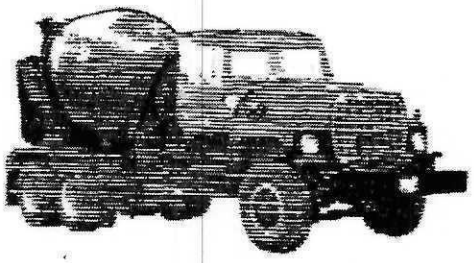
**Ingram Readymix Inc.**



May 27, 2025

McKendrick Ochoa Salinas Branch Library
1920 Palo Blanco St.
Laredo, Texas

Ingram Readymix No. 11, LLC is providing a copy of the permit application for public viewing. The application is for the proposed operation of a temporary concrete batch plant located on 1302 Uniroyal Drive, Laredo, Webb County, Texas (RN112213012/ Permit 180148L001).

This copy of the permit application is provided to the Library as part of the TCEQ's Public Notice process of obtaining the permit. The application has been reviewed by TCEQ Air Permits Division and has been assigned with Project Number 393182 for reference.

If anyone reviewing the permit application have questions please contact me at the information provided below.

Respectfully,

Clint Burnett
Environmental Manager
Ingram Readymix Inc.
cburnett@irmtx.com
830-625-9156

## Ingram Readymix No. 11 LLC

Laredo - DSV Project
Temporary Plant

### Table of Contents

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 604019836 | | 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:*

Ingram Readymix No. 11, 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)* |
|---|---|---|---|
| 0801201074 | 32040781232 | 271-1422717 | |

**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
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

| 15. Mailing Address: | 3580 FM 482 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | City | New Braunfels | State | TX | ZIP | 78132 | ZIP + 4 | |

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

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

| | | |
|---|---|---|
| ( 830 ) 625-9156 | | ( 830 ) 625-9174 |

## 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.)*

Ingram Readymix DSV Project Plant

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **23. Street Address of the Regulated Entity:** *(No PO Boxes)* | Address not yet assigned - Uniroyal Drive (east) | | | | | | | |
| | **City** | Laredo | **State** | Tx | **ZIP** | 78045 | **ZIP + 4** | |
| **24. County** | Webb | | | | | | | |

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

| | | | |
|---|---|---|---|
| **25. Description to Physical Location:** | From intersection of IH-35 and Uniroyal Drive in Laredo, travel east 0.9 miles and the project entrance is at the east end of Uniroyal Drive | | |
| **26. Nearest City** | | **State** | **Nearest ZIP Code** |
| Laredo | | Tx | 78045 |

***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:** | 27.69104 | | **28. Longitude (W) In Decimal:** | -99.44304 | | |
| Degrees | Minutes | Seconds | Degrees | Minutes | Seconds | |
| 27 | 41 | 27.73 | -99 | 26 | 34.94 | |

| | | | |
|---|---|---|---|
| **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 | | 32732 | |

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

readymix concrete

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **34. Mailing Address:** | 3580 FM 482 | | | | | | | |
| | **City** | New Braunfels | **State** | TX | **ZIP** | 78132 | **ZIP + 4** | |
| **35. E-Mail Address:** | earl@irmtx.com | | | | | | | |

| | | |
|---|---|---|
| **36. Telephone Number** | **37. Extension or Code** | **38. Fax Number** *(if applicable)* |
| ( 830 ) 625-9156 | | ( 830 ) 625-9174 |

**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: | Clint Burnett | 41. Title: | Environmental Manager |
|---|---|---|---|
| 42. Telephone Number | 43. Ext./Code | 44. Fax Number | 45. E-Mail Address |
| ( 830 ) 625-9156 | | ( 830 ) 625-9174 | cburnett@irmtx.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: | Ingram Readymix Inc. | Job Title: | Environmental Manager |
|---|---|---|---|
| Name *(In Print)*: | Clint Burnett | Phone: | ( 830 ) 625- 9156 |
| Signature: | Clint Burnett | Date: | 5/8/25 |

# PROCESS DESCRIPTION

This plant will be located on DSV Air and Sea, LLC property. The project property is 51-acres and located on eastern side of Uniroyal Drive in Laredo, Texas (Entrance: 27.687452, -99.448560) . The temporary plant will be placed and operated on the east side of the property to pour concrete only for this specific project location.

During any particular one hour period, one load of cement or one load supplemental cement will enter the property to be unloaded. The maximum production of the plant is 200 yards per hour with occasional night time work. The maximum load per concrete mixer will be 10 yards.

Washed sand and gravel will be hauled into plant by dump trucks and placed in stockpiles. Stockpiles are sprinkled as needed to maintain surface tension and minimize wind erosion (EPN: STK). A 5 mph speed limit will posted for the plant.

Cement and flyash are hauled to plant in sealed pneumatic trailers. The cement and flyash are unloaded into two silos pneumatically. A supplemental silo and a cement silo. Each silo is equipped with its own Donaldson TBV2 Silo Top Dust Collectors (EPNs: 12 and 13) to control emissions. The silos are equipped with an alarm when capacity is reached. This audible alarm will sound along with a flashing light when capacity is reached.

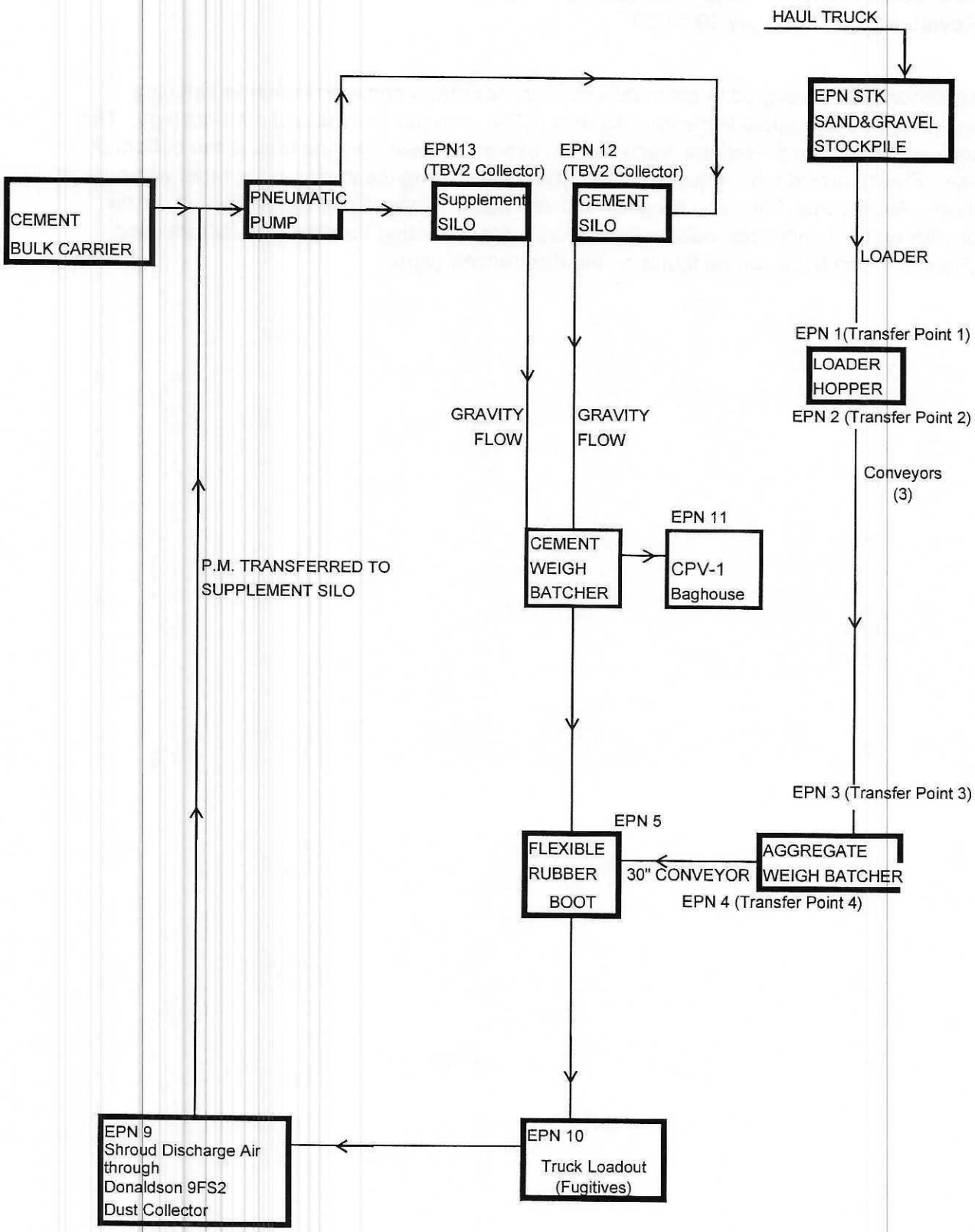
Washed sand and gravel are placed into loading hoppers from stockpiles with a front end loader. Hoppers walls are extended on three sides with four (4) foot wall. There are three separate loading hoppers for sand, gravel, and other aggregates (EPN: 1a, 1b, 1c for transfer from loader to hopper and EPN: 2a, 2b, 2c for drop from bottom of hopper onto each conveyor belt). Each hopper has an individual conveyor for materials to travel up to three separate decumulative weigh bins (EPN: 3a, 3b,3c for drop point into bins). The materials are then dropped onto a single conveyor belt (EPN: 4a, 4b, 4c for each bin drop point onto conveyor) that is discharged to the loading point (EPN: 5).

Water is weighed and discharged into truck before the aggregate is discharged through an enclosed flexible rubber boot to the mixer truck. The cement is dropped by gravity and fly ash by a screw after being weighed separately in a weigh batcher. The batched cement materials are then fed into the mixer truck through a flexible rubber boot along with the sand and gravel materials. Air exhaust from the cement weigh batcher are vented through a CPV-1 baghouse (EPN: 11).

The central dust collector installed to capture and control emissions from the truck loading shroud is a Donaldson 9FS6 Load Point Dust Collector (EPN: 9) cleaned by pulse jet with an adjustable timer. The collector is checked weekly for any malfunction, cartridge damage, or additional cleaning. The truck loading point consists of a truck shroud to direct loading emissions into the central dust collector via enclosed piping. The truck loading point contains a twenty-four inch diameter rubber boot and a six inch diameter rubber boot, which extends six inches into the mixer loading bonnet. As the aggregate falls, the cement and fly ash falls through the center of the aggregate.

The cement products are loaded slowly so they will be entrapped by the aggregate discharge. By spreading the cement and fly ash evenly throughout the aggregate, the material is carried into the mixer drum and mixed with the water, minimizing fugitive loading emissions (EPN: 10). Any spillage of material will be cleaned up and contained. Emissions from the truck loading point are controlled by the central dust collector with a filtering velocity of 8.96 acfm/ft and air flow of 5000 acfm air through spunbond polyester cartridge filters. The collector is activated automatically by the batch computer when truck loading is started. The collected dust material in the bottom of the baghouse is pneumatically transferred automatically to the supplemental silo set by timer after a specified run time.

# FLOW CHART : Laredo DSV Project Plant



# Concrete Batch Plant Emission Rate Calculation Workbook

**Concrete Batch Plant Worksheet Version No.:** Version 2.0
**Last Revision Date:** February 19, 2020

This workbook was developed to estimate emission rates from common concrete batching facilities using Environmental Protection Agency (EPA) emission factors and methodology. The workbook is divided into 6 sections, each section can be accessed by the tabs at the bottom of the page. Please provide the required facility information using the input cells located within each worksheet. Avoid using "click and drag" or "cut and paste", instead use the tab button, arrow keys or click on each input cell individually. Information regarding the emission factors used throughout this workbook can be found on the References page.

# General Plant Information

This worksheet is used to document the material composition and maximum expected production level. The values entered will be used to calculate the estimated emission rates in subsequent worksheets within this workbook.

**Instructions**:
1. Enter the requested information in the input cells below, or if prompted, select the appropriate answer from the drop-down menu provided.

| **Operating Schedule** | hours/day | days/week | weeks/year | hours/year |
|---|---|---|---|---|
| | 24 | 6 | 50 | 7,200 |

| **Concrete Production Rate** | $yd^3$/ hour | $yd^3$/ year |
|---|---|---|
| | 200 | 300,000 |

| **Type of Batch Plant** | Truck or Central Mix? |
|---|---|
| | Truck Mix |

**Concrete Composition**

| Would you like to use the default composition of concrete? | | No |
|---|---|---|
| **Material** | **Default (lbs/yd3)** | **Custom (lb/yd3)** |
| Aggregate | 1,865 | 1,840 |
| Sand | 1,428 | 1,450 |
| Cement | 491 | 360 |
| Supplement | 73 | 120 |

**Maximum Material Mass Flow Rate**

| **Material** | **ton/hr** | **ton/yr** |
|---|---|---|
| Aggregate | 184.0 | 276,000.0 |
| Sand | 145.0 | 217,500.0 |
| Cement | 36.0 | 54,000.0 |
| Supplement | 12.0 | 18,000.0 |

## Material Handling & Stockpile Emissions

This worksheet is used to calculate emissions from material handling and stockpiles. Enter the requested information in the input cells, or if prompted, select the appropriate answer using the drop-down menu provided.

A list of commonly accepted emission control methods and their associated efficiency ratings are provided below:

Wet material = 50%
Water sprays = 70%
Chemical foam = 80%
Partial enclosure = 50 - 85%
Full enclosure = 90%
Enclosed by building = Up to 90%
Washed material = 95%
Washed material with water spray = 98.5%

### Material Handling - Coarse Aggregate Transfer Points

| | |
|---|---|
| Enter the number of Aggregate Transfer Points | 5 |
| Use the maximum material mass flow rate? | Yes |

| | |
|---|---|
| Maximum Mass Flow Rate (ton/hr) | 184 |
| Maximum Mass Flow Rate (ton/yr) | 276,000 |

| Emission Point Number | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Hourly Mass Flow Rate (ton/hr) = 184 | | | | | | |
| Annual Mass Flow Rate (ton/yr) = 276,000 | | | | | | |
| Control Type | washed | washed & partial | washe | washed | washed | washed |
| Control Efficiency (%) | 95 | 99.5 | 95 | 95 | 95 | 95 |
| PM (lb/hr) | 0.0635 | 0.0063 | 0.0635 | 0.0635 | 0.0635 | |
| PM (ton/yr) | 0.0476 | 0.0048 | 0.0476 | 0.0476 | 0.0476 | |
| $PM_{10}$ (lb/hr) | 0.0304 | 0.0030 | 0.0304 | 0.0304 | 0.0304 | |
| $PM_{10}$ (ton/yr) | 0.0228 | 0.0023 | 0.0228 | 0.0228 | 0.0228 | |
| $PM_{2.5}$ (lb/hr) | 0.0046 | 0.0005 | 0.0046 | 0.0046 | 0.0046 | |
| $PM_{2.5}$ (ton/yr) | 0.0034 | 0.0003 | 0.0034 | 0.0034 | 0.0034 | |

**Material Handling - Sand Transfer Points**

| | |
|---|---|
| Enter the number of Sand Transfer Points | 5 |
| Use the maximum material mass flowrate? | Yes |

| | |
|---|---|
| Maximum Mass Flow Rate (ton/hr) | 145 |
| Maximum Mass Flow Rate (ton/yr) | 217,500 |

| Emission Point Numbers | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| Hourly Mass Flow Rate (ton/hr) = 145 | | | | | |
| Annual Mass Flow Rate (ton/yr) = 217,500 | | | | | |
| Control Type | washed | washed & partial | [illegible] | washed | washed |
| Control Efficiency (%) | 95 | 99.5 | 95 | 95 | 95 |
| PM (lb/hr) | 0.0152 | 0.0015 | 0.0152 | 0.0152 | 0.0152 |
| PM (ton/yr) | 0.0114 | 0.0011 | 0.0114 | 0.0114 | 0.0114 |
| $PM_{10}$ (lb/hr) | 0.0072 | 0.0007 | 0.0072 | 0.0072 | 0.0072 |
| $PM_{10}$ (ton/yr) | 0.0054 | 0.0005 | 0.0054 | 0.0054 | 0.0054 |
| $PM_{2.5}$ (lb/hr) | 0.0011 | 0.0001 | 0.0011 | 0.0011 | 0.0011 |
| $PM_{2.5}$ (ton/yr) | 0.0008 | 0.0001 | 0.0008 | 0.0008 | 0.0008 |

**Raw Material Stockpile Emissions**

| | |
|---|---|
| Stockpile Emission Point Number | STK |
| Stockpile Area (acres) | 1 |
| Control Type | washed & watered if required |
| Control Efficiency (%) | 98.5 |
| Number of Active Days per Year | 300 |
| PM Inactive Emissions (ton/yr) | 0.0017 |
| $PM_{10}$ Inactive Emissions (ton/yr) | 0.0009 |
| $PM_{2.5}$ Inactive Emissions (ton/yr) | 0.0001 |
| PM Active Emissions (ton/yr) | 0.0297 |

| | |
|---|---|
| $PM_{10}$ Active Emissions (ton/yr) | 0.0149 |
| $PM_{2.5}$ Active Emissions (ton/yr) | 0.0022 |
| **TOTAL PM Emissions (ton/yr)** | **0.0314** |
| **TOTAL $PM_{10}$ Emissions (ton/yr)** | **0.0157** |
| **TOTAL $PM_{2.5}$ Emissions (ton/yr)** | **0.0024** |

# Silo Emissions

This worksheet is used to calculate emissions from storage silos. Enter the requested information in the input cells below, or if prompted, select the appropriate answer from the drop-down menu provided.

## Cement Silo Emissions

| | |
|---|---|
| How many cement silos? (Up to 4) | 1 |
| Would you like to use the manufacturer's filter efficiency? | Yes |

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

| Cement Silo EPN(s) | 12 |
|---|---|
| Hourly Loading Rate (ton/hr) | 36 |
| Annual Loading Rate (ton/yr) | 54,000 |
| Control Efficiency (%) | 99.5 |
| PM (lb/hr) | 0.1314 |
| PM (ton/yr) | 0.0986 |
| $PM_{10}$ (lb/hr) | 0.0846 |
| $PM_{10}$ (ton/yr) | 0.0635 |
| $PM_{2.5}$ (lb/hr) | 0.0145 |
| $PM_{2.5}$ (ton/yr) | 0.0108 |

## Supplement Silo Emissions

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

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

| Cement Supplement Silo EPN(s) | 13 |
|---|---|
| Hourly Loading Rate (ton/hr) | 12 |
| Annual Loading Rate (ton/yr) | 18,000 |
| Control Efficiency (%) | 99.5 |
| PM (lb/hr) | 0.1884 |

| | |
|---|---|
| PM (ton/yr) | 0.1413 |
| PM10 (lb/hr) | 0.0660 |
| PM10 (ton/yr) | 0.0495 |
| PM2.5 (lb/hr) | 0.0113 |
| PM2.5 (ton/yr) | 0.0085 |

## Cement/Supplement Weigh Hopper Emissions

| | |
|---|---|
| Is there a cement/supplement weigh hopper? | Yes |
| What is the EPN for the cement/supplement weigh hopper? | 11 |
| Is it equipped with its own dust collector? | Yes |

| Please select your preferred method of calculating emissions from the dust collector: | System Efficiency |
|---|---|
| Control Efficiency (%) | 99.5 |
| Mass Flow Rate (ton/hr) | 48 |
| Mass Flow Rate (ton/yr) | 72,000 |
| PM (lb/hr) | 0.0257 |
| PM (ton/yr) | 0.0193 |
| PM10 (lb/hr) | 0.0122 |
| PM10 (ton/yr) | 0.0091 |
| PM2.5 (lb/hr) | 0.0018 |
| PM2.5 (ton/yr) | 0.0014 |

# Loading and Baghouse Emissions

This worksheet is used to calculate emissions from a baghouse stack and truck/mixer loading. Enter the requested information in the input cells below, or if prompted, select the appropriate answer from the drop-down menu provided. Emission rates are automatically calculated and displayed in the table at the bottom of the worksheet.

**Truck Loading Information**

| | |
|---|---|
| What is the EPN for fugitive emissions from central/truck mixer loading? | 10 |
| What is the central baghouse stack EPN? | 9 |
| What is the central baghouse efficiency? (%) | 99.5 |
| Use the Default Suction Shroud Capture Efficiency? | Yes |

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

| Maximum Throughput | | |
|---|---|---|
| **Material** | **ton/hr** | **ton/yr** |
| Aggregate | 184 | 276,000 |
| Sand | 145 | 217,500 |
| Cement | 36 | 54,000 |
| Supplement | 12 | 18,000 |

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

| Pollutant | Central Baghouse Stack Emission Rates | Truck Loading Fugitive Emission Rates |
|---|---|---|
| PM (lb/hr) | 0.2611 | 1.4489 |
| PM (ton/yr) | 0.1958 | 1.0867 |
| PM10 (lb/hr) | 0.0724 | 0.4018 |
| PM10 (ton/yr) | 0.0543 | 0.3013 |
| PM2.5 (lb/hr) | 0.0124 | 0.0687 |
| PM2.5 (ton/yr) | 0.0093 | 0.0515 |

## Emissions Summary Table

This worksheet compiles and displays the calculated emission rates for each source of air emissions listed within this workbook.

| Emission Point Number(s) | Name | PM | | $PM_{10}$ | | $PM_{2.5}$ | |
|---|---|---|---|---|---|---|---|
| | | lb/hr | ton/yr | lb/hr | ton/yr | lb/hr | ton/yr |
| 1, 2, 3, 4, 5, 1, 2, 3, 4, 5 | Material Handling | 0.323 | 0.242 | 0.154 | 0.115 | 0.023 | 0.017 |
| STK | Stockpiles | -.-- | 0.031 | -.-- | 0.016 | -.-- | 0.002 |
| 9 | Central Baghouse Stack | 0.261 | 0.196 | 0.072 | 0.054 | 0.012 | 0.009 |
| 10 | Loading Fugitives | 1.449 | 1.087 | 0.402 | 0.301 | 0.069 | 0.052 |
| 11 | Cement Weigh Hopper | 0.026 | 0.019 | 0.012 | 0.009 | 0.002 | 0.001 |
| 12 | Cement Silo | 0.131 | 0.099 | 0.085 | 0.063 | 0.014 | 0.011 |
| | | | | | | | |
| 13 | Supplement Silo | 0.188 | 0.141 | 0.066 | 0.050 | 0.011 | 0.008 |
| | | | | | | | |
| | **TOTAL** | **2.378** | **1.815** | **0.791** | **0.609** | **0.132** | **0.101** |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## References

The purpose of this worksheet is to provide information regarding the source of emission factors and capture efficiencies that were used througout this workbook. Emission Factors are in units of pound (lb) of pollutant per ton of material (see footnote "a" from AP-42 Ch. 11.12 Table 11.12-2) unless specified otherwise.

### 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 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 is 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 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.

## Texas Commission on Environmental Quality
## Table 11
## Fabric Filters

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) website at www.tceq.texas.gov/permitting/air.

| A. Emission Point Number (EPN) and Emission Point Name | |
|---|---|
| EPN: 9 | Emission Point Name: TRUCK LOADING SHROUD/ CENTRAL BAGHOUSE STACK |
| **B. Manufacturer and Model Numbers (No.)** | |
| Manufacturer No.: Donaldson Company Inc | Model No.: 9FS6 |

**C. Name of Source(s) or Equipment Being Controlled**

| Name | EPN | FIN |
|---|---|---|
| TRUCK LOADING SHROUD | 9 | |
| | | |

**D. Type of Particulate Controlled**

Cement, Flyash, Aggregate Dust

**E. Gas Stream Characteristics**

| Design Maximum | Average Expected Flow Rate (acfm) | Gas Stream Temperature (°F) | Particulate Grain Loading (grain/scf) | |
|---|---|---|---|---|
| 5000 | 5000 | NA | Inlet: 2.58592 | Outlet: 0.000258592 |
| **Pressure Drop (inches of $H_2O$** | **Water Vapor Content of Effluent Stream (lb water/lb dry air)** | | **Fan Requirements** | |
| 3-8 | NA | NA | hp: 15 | $ft^3$/min.: 5000 |

**F. Particulate Distribution (By Weight)**

| Micron Range | Inlet % | Outlet % |
|---|---|---|
| 0.0-0.5 | 1.86 | <0.5 |
| 0.5-1.0 | 5.41 | <0.5 |
| 1.0-5.0 | 26.93 | <0.5 |
| 5-10 | 21.94 | <0.5 |
| 10-20 | 18.68 | <0.5 |
| over 20 | 14.06 | <0.5 |

**G. Filter Characteristics**

| Filtering Velocity (acfm/$ft^2$ of Cloth) | Bag Diameter (inches) | Bag Length (feet) | Total Number of Bags |
|---|---|---|---|
| 8.96 | 6 | 6.5 | 9 |

**Texas Commission on Environmental Quality**
**Table 11**
**Fabric Filters**

| | |
|---|---|
| **H. Bag Rows** | |
| Indicate the arrangement of the baghouse bag filter rows. | ☐ Staggered ☒ Straight |
| **I. Walkways** | |
| Will walkways be provided between banks of bags? | ☐ YES ☒ NO |
| **J. Filtering Material** | |
| Identify the filtering media: SPUN BOND POLYESTER | |
| | |
| | |
| Any additional coating or treatment of the baghouse material: | |
| | |
| | |
| **K. Cleaning of the Filter(s)** | |
| Describe Bag Cleaning Method and Cycle: PULSE JET W/ADJUSTABLE TIMER | |
| | |
| | |
| | |
| **L. Cost** | |
| Capital Installed Cost: $62,000 | |
| Annual Operating Cost: $4,000 | |

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.
*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*

## Texas Commission on Environmental Quality
## Table 11
## Fabric Filters

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) website at www.tceq.texas.gov/permitting/air.

| A. Emission Point Number (EPN) and Emission Point Name | |
|---|---|
| EPN: 11 | Emission Point Name: Cement Weigh Hopper |
| **B. Manufacturer and Model Numbers (No.)** | |
| Manufacturer No.: Cemco | Model No.:CPV-1 |

**C Name of Source(s) or Equipment Being Controlled**

| Name | EPN | FIN |
|---|---|---|
| Weight Batcher | 11 | |
| | | |

**D. Type of Particulate Controlled**

CEMENT & FLYASH DUST

**E. Gas Stream Characteristics**

| Design Maximum | Average Expected Flow Rate (acfm) | Gas Stream Temperature (°F) | Particulate Grain Loading (grain/scf) | |
|---|---|---|---|---|
| 350 | 216 | NA | Inlet: 0.85340 | Outlet: 0.00008534 |
| **Pressure Drop (inches of $H_2O$** | **Water Vapor Content of Effluent Stream (lb water/lb dry air)** | | **Fan Requirements** | |
| 12 | NA | NA | hp: NA | $ft^3$/min.: NA |

**F. Particulate Distribution (By Weight)**

| Micron Range | Inlet % | Outlet % |
|---|---|---|
| 0.0-0.5 | 1.84 | <0.5 |
| 0.5-1.0 | 1.84 | <0.5 |
| 1.0-5.0 | 21.29 | <0.5 |
| 5-10 | 17.32 | <0.5 |
| 10-20 | 21.4 | <0.5 |
| over 20 | 38.15 | <0.5 |

**G. Filter Characteristics**

| Filtering Velocity (acfm/$ft^2$ of Cloth) | Bag Diameter (inches) | Bag Length (feet) | Total Number of Bags |
|---|---|---|---|
| 5.6 | 22 | 0.58 | 3 |

**Texas Commission on Environmental Quality**
**Table 11**
**Fabric Filters**

| | |
|---|---|
| **H. Bag Rows** | |
| Indicate the arrangement of the baghouse bag filter rows. | ☒ Staggered ☐ Straight |
| **I. Walkways** | |
| Will walkways be provided between banks of bags? | ☐ YES ☒ NO |
| **J. Filtering Material** | |
| Identify the filtering media: SPUN BOND POLYESTER | |
| | |
| | |
| Any additional coating or treatment of the baghouse material: | |
| | |
| | |
| **K. Cleaning of the Filter(s)** | |
| Describe Bag Cleaning Method and Cycle: PULSE JET W/ADJUSTABLE TIMER | |
| | |
| | |
| | |
| **L. Cost** | |
| Capital Installed Cost: $5,800 | |
| Annual Operating Cost: $1,200 | |

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.
*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*

## Texas Commission on Environmental Quality
## Table 11
## Fabric Filters

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) website at www.tceq.texas.gov/permitting/air.

| A. Emission Point Number (EPN) and Emission Point Name | |
|---|---|
| EPN: 12 and 13 | Emission Point Name: Cement Silo and Supplement Silo |
| **B. Manufacturer and Model Numbers (No.)** | |
| Manufacturer No.: Donaldson Company Inc | Model No.: TBV2 Silo Top Dust Collector |

**C Name of Source(s) or Equipment Being Controlled**

| Name | EPN | FIN |
|---|---|---|
| Cement Silo | 12 | |
| Supplement Silo | 13 | |

**D. Type of Particulate Controlled**

| | | |
|---|---|---|
| Cement, Flyash/Supplemental Cement | | |

**E. Gas Stream Characteristics**

| Design Maximum | Average Expected Flow Rate (acfm) | Gas Stream Temperature (°F) | Particulate Grain Loading (grain/scf) | |
|---|---|---|---|---|
| 2000 | 2000 | NA | Inlet: 0.01 | Outlet: 0.00001 |
| **Pressure Drop (inches of $H_2O$** | **Water Vapor Content of Effluent Stream (lb water/lb dry air)** | | **Fan Requirements** | |
| 2-8 | NA | NA | hp: NA (vent) | $ft^3$/min.: NA |

**F. Particulate Distribution (By Weight)**

| Micron Range | Inlet % | Outlet % |
|---|---|---|
| 0.0-0.5 | 1.84 | <0.5 |
| 0.5-1.0 | 1.84 | <0.5 |
| 1.0-5.0 | 21.29 | <0.5 |
| 5-10 | 17.32 | <0.5 |
| 10-20 | 21.4 | <0.5 |
| over 20 | 38.15 | <0.5 |

**G. Filter Characteristics**

| Filtering Velocity (acfm/$ft^2$ of Cloth) | Bag Diameter (inches) | Bag Length (feet) | Total Number of Bags |
|---|---|---|---|
| 4.42 | 11.74 | 2.16 | 4 |

**Texas Commission on Environmental Quality**
**Table 11**
**Fabric Filters**

| | |
|---|---|
| **H. Bag Rows** | |
| Indicate the arrangement of the baghouse bag filter rows. | ☒ Staggered ☐ Straight |
| **I. Walkways** | |
| Will walkways be provided between banks of bags? | ☐ YES ☒ NO |
| **J. Filtering Material** | |
| Identify the filtering media: SPUN BOND POLYESTER | |
| | |
| | |
| Any additional coating or treatment of the baghouse material: | |
| | |
| | |
| **K. Cleaning of the Filter(s)** | |
| Describe Bag Cleaning Method and Cycle: PULSE JET W/ADJUSTABLE TIMER | |
| | |
| | |
| | |
| **L. Cost** | |
| Capital Installed Cost: $5,800 | |
| Annual Operating Cost: $1,200 | |

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.
*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*

| *Central Dust Collector EPN: 9* **Donaldson 9FS6 Load Point Dust Collector** | |
|---|---|
| Cartridge Area | 558 ft.$^2$ |
| Cartridge Material / weave | 100% Polyester spunbond |
| Efficiency | >99.9% |
| Method of Cleaning | Pulse Jet |
| Normal Air Capacity | 5,000 CFM |
| Collection Type | Blower (Suction) |

## Dust Collection

Cemco batch plants come standard with a silo top and cement weigh batcher dust collectors. As an option, a load point dust collector may be purchased. As a standard, Cemco uses the collectors outlined below; however, Cemco may elect to use a different unit and/or supplier as needed. For the specific plant, you must contact Cemco to ensure you have the correct permit information.

| *Silo Vents EPNs: 12 and 13* **Donaldson TBV-2 Silo Top Dust Collector** | |
|---|---|
| Cartridge Area | 452 ft.$^2$ |
| Cartridge Material / weave | 100% Polyester spunbond |
| Efficiency | >99.9% |
| Method of Cleaning | Pulse Jet |
| Maximum Capacity | 2,000 ACFM |
| Collection Type | Venting |

| *Cement Weigh Hopper EPN: 11* **Donaldson CPV-1 Cement Weigh Batcher Dust Collector** | |
|---|---|
| Cartridge Area | 63 ft.$^2$ |
| Cartridge Material / weave | 100% Polyester spunbond |
| Efficiency | >99.9% |
| Method of Cleaning | Pulse Jet |
| Maximum Capacity | 350 ACFM |
| Collection Type | Venting |

Cemco's optional central dust collector is a Donaldson 9FS6. The dust collector does not have any effect on portability as it pulls with the plant and is mounted directly to the silo. When the silo self erects the dust collector rises along with it. The dust collector is mounted on the bottom portion of silo in between the plant frame and the conveyor belt.

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 ***Central Dust Collector: EPN: 9***

| | |
|---|---|
| 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

# DATA SHEET

Donaldson
FILTRATION SOLUTIONS

## Bottom Load Pleated Filter Element for Donaldson FS *Central Dust Collector: EPN: 9*

Bottom load style pleated filter element .
Fits Donaldson Series FS dust collectors (Models FSD, VSD, RSD) with bottom load venturi connection.
Longer polyurethane top boot accommodates the venturi bell mouth.
Replaces 6.0" nominal diameter bag and cage assembly.

**Standard Configuration**

- 3.6" (91-mm) inner core diameter
- 1.0" (25-mm) nominal pleat depth
- Standard Pleat Count – 45 Pleats
- Molded top boot and bottom puck made from bright white soft polyurethane rated to 225°F
- Polyurethane, polypropylene and polyester components are safe for food contact

**Configuration Options**

- Special pleat counts (Available range: 35 – 60 pleats)
- Polypropylene Core – Rated to 180°F
- Galvanized and SS Perforated Metal (Spiral Formed) – For temperatures >180°F and for high pressure / vacuum applications.
- Grounded designs (with conductive media, metal core and stainless steel grounding wire extensions).

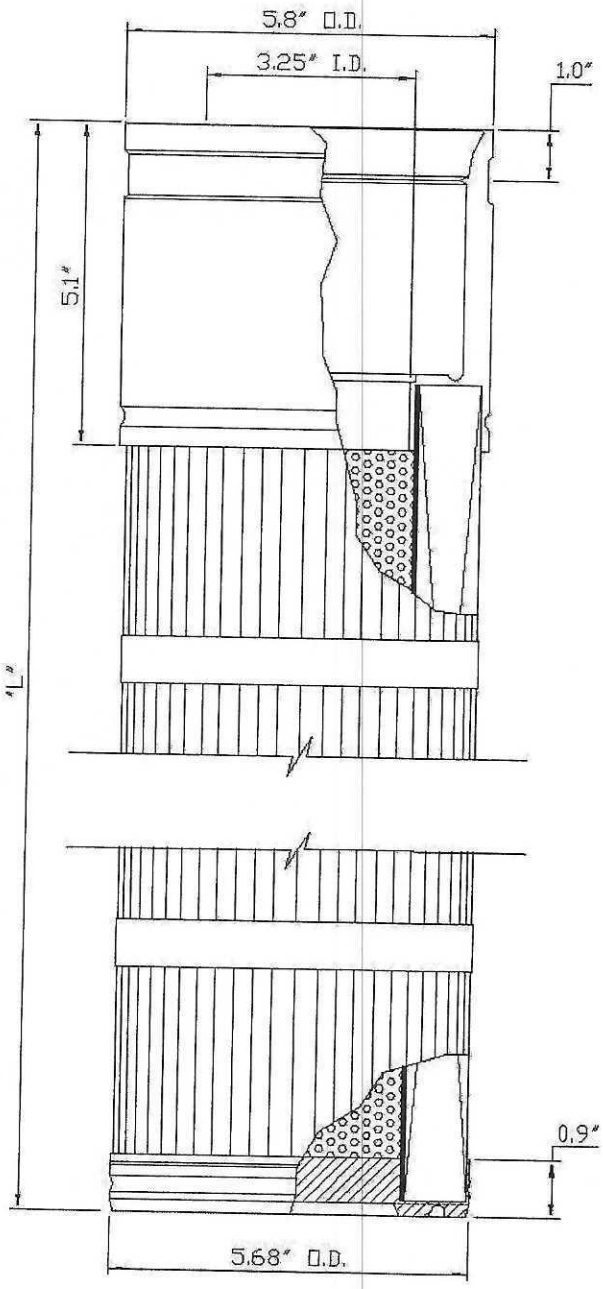
**Filter Media**

- Base filter media: Ultra-Web on spunbond polyester (UWSB)
- Weight: 8.0 oz/yd2 (260 g/m2)
- Permeability: 15-30 acfm Frazier permeability at 0.5" w.g. dP
- Mullenburst Stength: 350 psi

**Media Options**

100% spunbond polyester with Ultra-Web (UW SB)
100% spunbond polyester (SB)
100% SB with hydrophobic & oleophobic finish
100% SB with conductive grid
100% SB with ePTFE membrane
100% SB with conductive grid & ePTFE membrane

| Nominal Length | Overall Length "L" | Filter Area (sf) @ 45 Pleats | No. of Straps |
|---|---|---|---|
| 0.5 m | 23.9" | 12.3 | 1 |
| 1.0 m | 43.6" | 24.6 | 3 |
| 1.4 m | 59.3" | 34.5 | 4 |
| 2.0 m | 83.0" | 49.2 | 6 |




Tel 800-365-1331 (USA)
Tel 800-343-3639 (within Mexico)

DonaldsonTorit@DonaldsonTorit.com
DonaldsonTorit.com

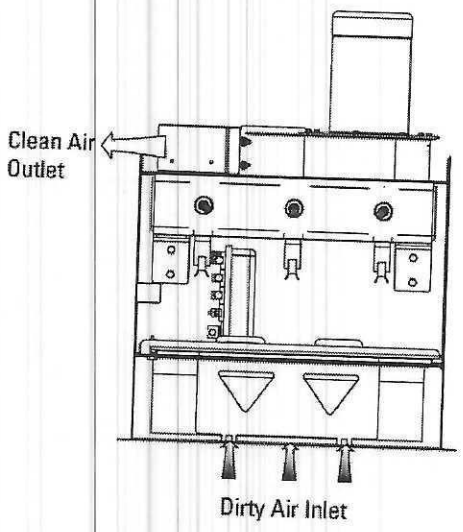
Donaldson.
FILTRATION SOLUTIONS

***Central Dust Collector: EPN: 9***

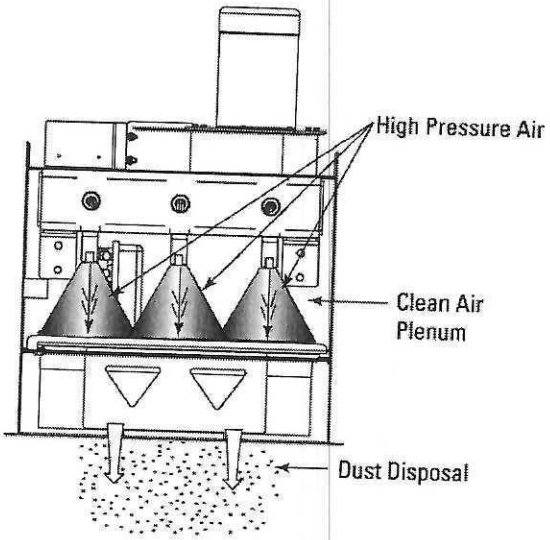
# Technical Data Sheet

| | |
|---|---|
| **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 |

***Cement Weigh Hopper EPN: 11***




Normal Operation (1 filter pack unit)



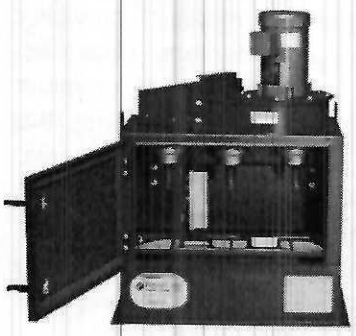

Filter Cleaning Operation (1 filter pack unit)

*Access filter packs from clean side through access doors on top of the collector. Filter packs are changed without tools.*

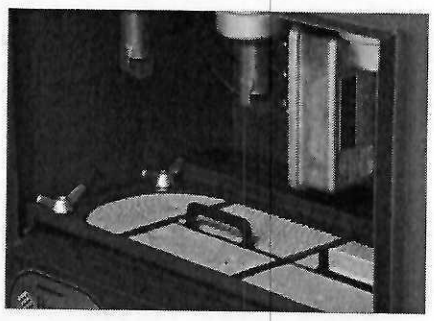
## Torit PowerCore CPV-1 - Technical Product Summary

- **PAINT SYSTEM: – STANDARD FINISH:** Exterior surfaces finished with a durable, multi-coat textured liquid or powder finish that meets an ASTM B117 salt spray test of 2,000 hours on standardized test panels. The exterior color will be Torit Blue. The interior shall be primed with a durable liquid or powder primer.
- **FILTER MEDIA:** (1) CP filter packs with 63 sq ft of Ultra-Web® media for 350 cfm airflow. Operating Temperature: 150°F maximum.
- **SOLENOID ENCLOSURE:** NEMA 4
- **WEATHER COVER:** Closes air outlet of unpowered collector for outdoor installation. Protects from rain, snow, birds, and rodents.
-

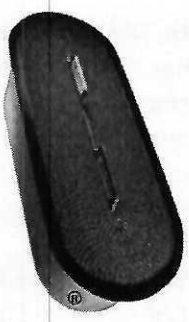
## Unique Features of the Torit PowerCore CPV-1 Bin Vent

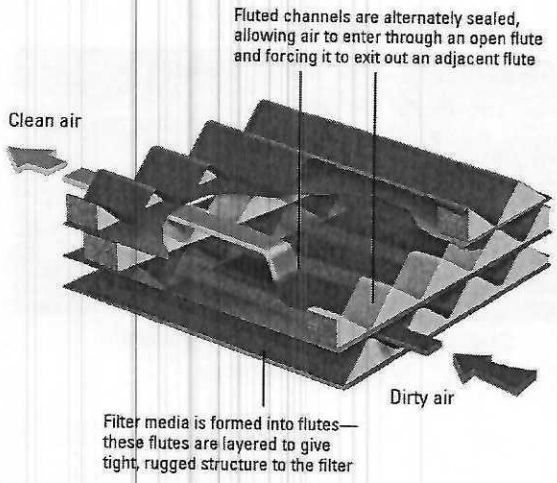


**THE CPV-1 POWERCORE FILTER PACK:** Is installed and removed from the clean side of the collector. Only one person is needed to perform a filter pack change. No tools are required, and there is no confined space entry. All service components are accessed from the same side.

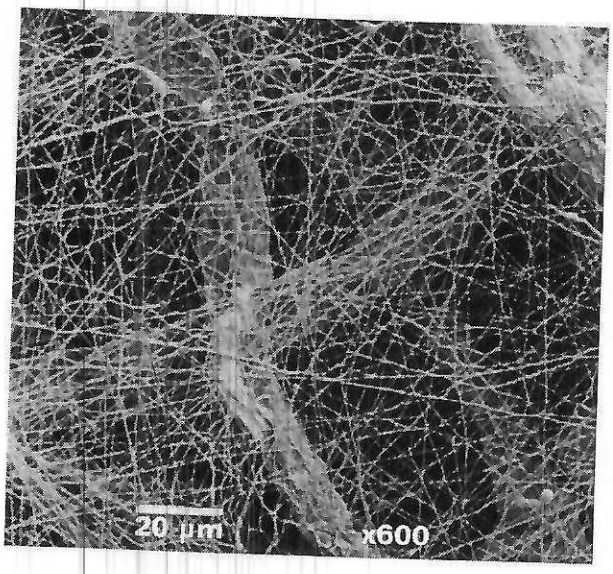


**POWERCORE FILTER PACKS:** Small, lightweight, and easily handled by one person. Donaldson's PowerCore technology allows more filter material to be packaged in a smaller space: one 7 inch by 22 inch PowerCore filter pack contains as much filtering material as six 8-foot long traditional filter bags. And, the filter media inside PowerCore filter packs is our well-proven Ultra-Web advanced nanofiber technology. There is an integrated gasket that ensures a good seal with every filter change. Ultra-Web media traps more dust on the surface of the fluted channels as compared to conventional filter bag materials like depth-loading 16 oz. polyester. Surface loading greatly promotes filter cleaning. Better pulse cleaning lowers operational pressure drop and energy use.





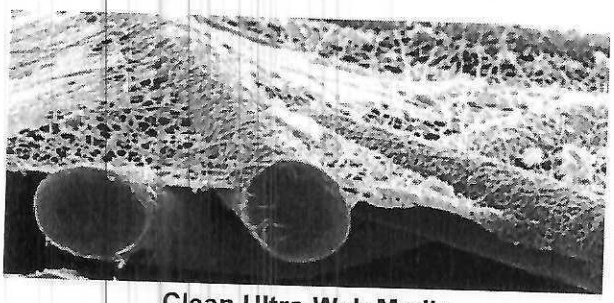

**TORIT POWERCORE:** Donaldson is leading the way with PowerCore, a very innovative filter technology. PowerCore filter packs combine patented Ultra-Web nanofiber technology with new media "packaging" expertise. As a result, more effective filtration area is packaged into smaller spaces. One CP Series filter pack replaces up to six traditional 8-foot long bag filters.



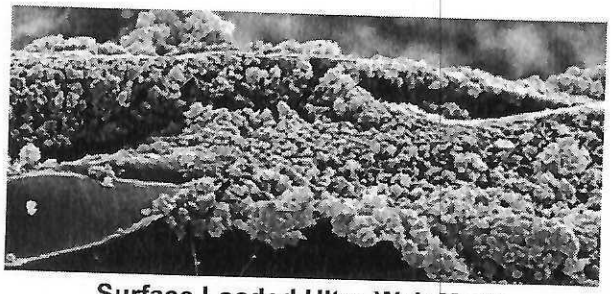

**ULTRA-WEB® MEDIA:** Donaldson leverages almost 100 years of air filtration experience in the development of filtration media, providing tremendous value to our customers. Ultra-Web media incorporates a durable layer of premium nanofiber, which is designed to intercept the smallest dust particles at the surface of the media. This surface loading capability improves the effectiveness of pulse cleaning which minimizes system pressure differential, thereby conserving compressed air usage and brake horsepower requirements of the system fan.

**ULTRA-WEB IS MOST EFFECTIVE:** Independent laboratory testing determined that Ultra-Web media has a Minimum Efficiency Reporting Value (MERV) of 15 based on the ASHRAE 52.2-1999 test standard. Ultra-Web media rated MERV 15 is the most optimized, balanced and cost-effective media in the market place, providing higher efficiency without compromising pressure drop and filter life. For more information on Ultra-Web and MERV ratings, please visit http://www2.donaldson.com/torit/corp/pages/products/ultra-webmediatechnology.aspx

**SYSTEM ENERGY EFFICIENCY AND SAVINGS:** Surface loading is a key characteristic of Donaldson's Ultra-Web media. It provides enhanced dust cake release, allowing particulate to easily pulse free of the filter surface. The result is reduced pressure drop across the filter throughout the entire life of the filter. This unique feature allows the system fan to deliver the required airflow while operating at much lower energy consumption levels.



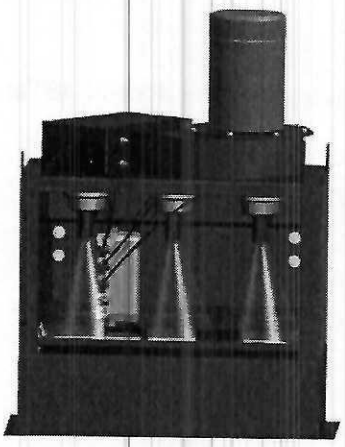
**Clean Ultra-Web Media**



**Surface Loaded Ultra-Web Media**
**(substrate still clean)**

**LOWER EMISSIONS:** Independent lab testing showed 78% fewer emissions with PowerCore filter media, compared to 16 oz. polyester felt. These tests were done in accordance with ASTM D6830-02 per EPA PM 2.5. Annual emissions calculated assuming

14,400 cfm airflow rate, 265 working days per year, and 2 shifts per day. Field measurements may vary due to differences in dust contaminant and sensitivity of measurement equipment.



**COMPACT PULSE CLEANING SYSTEM:** Torit PowerCore CPV-1 includes a 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. Requires 90 PSI clean dry compressed air connection to the air manifold.

## Torit PowerCore CPV-1 Bin Vent Service Requirements

- **COMPRESSED AIR CONSUMPTION:** 10 scfm at 90 to 100 psig, clean, dry compressed air based on a 10 second pulse interval.
- **ELECTRIC REQUIREMENTS: :** 110V,Single phase primary electrical supply to control panel (wiring between panel and individual components by others).
- **RECOMMENDED MINIMUM MAINTENANCE CLEARANCES:** 36″ in front of filter access, 18″ at rear of unit.

Donaldson
Torit®

# BIN VENT DUST COLLECTOR

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

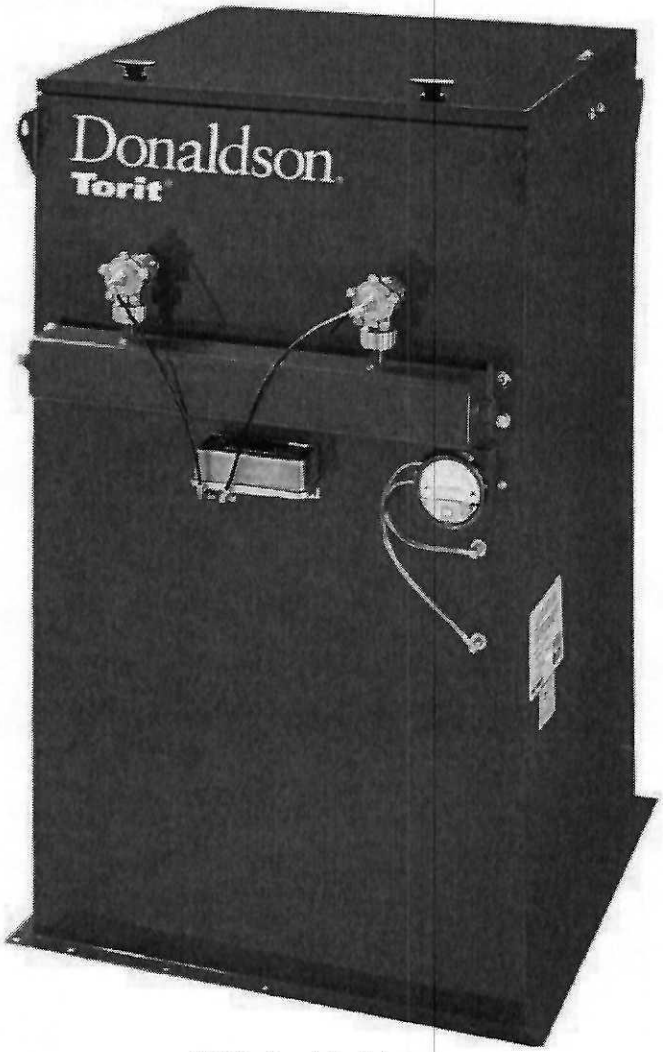
Cartridge filtration technology that adds economic value and recovers valuable dust.

- 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.

Donaldson
Torit®

# BIN VENT DUST COLLECTOR

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

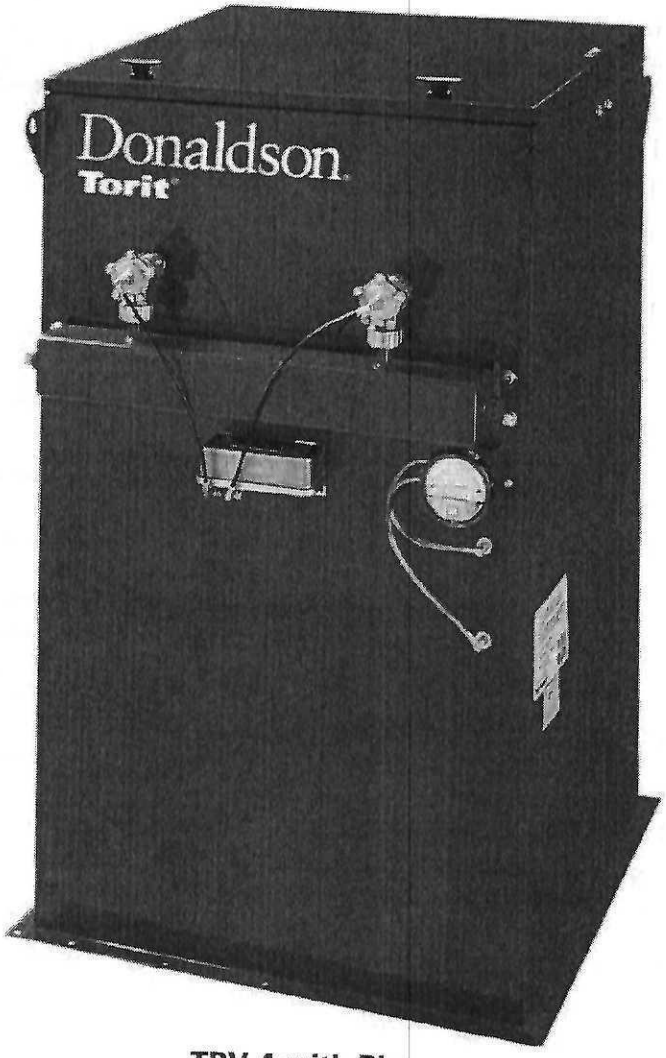
**ULTRA-WEB®**
High Efficiency **Fine Fiber Filters** Built to Last

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.

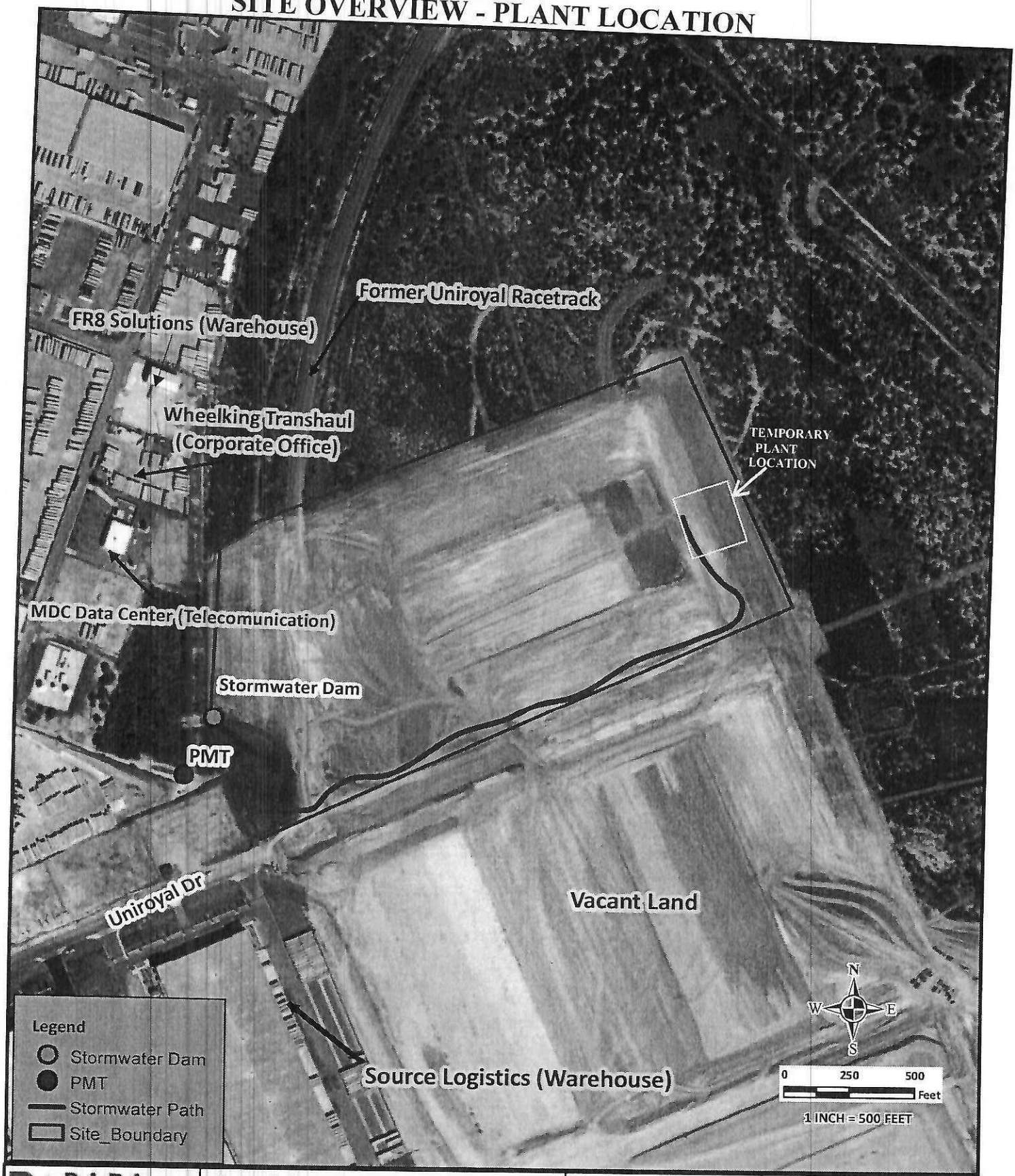
- Easy filter removal and replacement from clean air side makes it unnecessary to enter the silo or storage container
- Continuous-duty, on-demand pulse cleaning provides uninterrupted service and keeps filters clean for a long time




**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.

# SITE OVERVIEW - PLANT LOCATION




RABA KISTNER

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

## SITE PLAN

51 ACRES
UNIROYAL DRIVE
LAREDO, TEXAS
27°41'23.56"N; 27°41'23.56"N

| REVISIONS: No. | DATE | DESCRIPTION |
|---|---|---|
| | | |

| | |
|---|---|
| PROJECT No.: | ASF24-048-00 |
| ISSUE DATE: | 4/12/2024 |
| DRAWN BY: | CAG |
| CHECKED BY: | CAG |
| REVIEWED BY: | BDS |

**FIGURE**

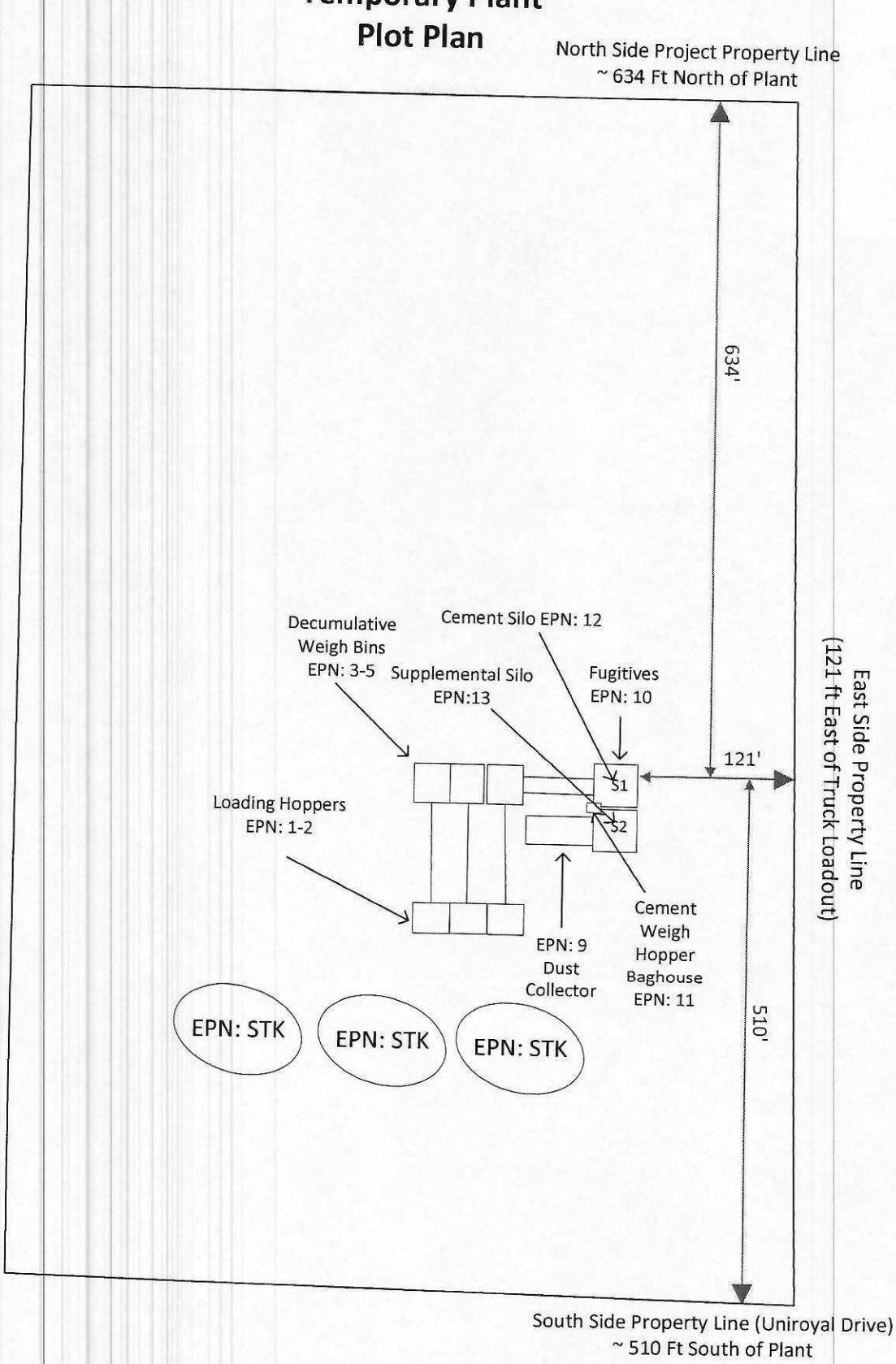
**2**

NOTE: This Drawing is Provided for Illustration Only, May Not be to Scale and is Not Suitable for Design or Construction Purposes

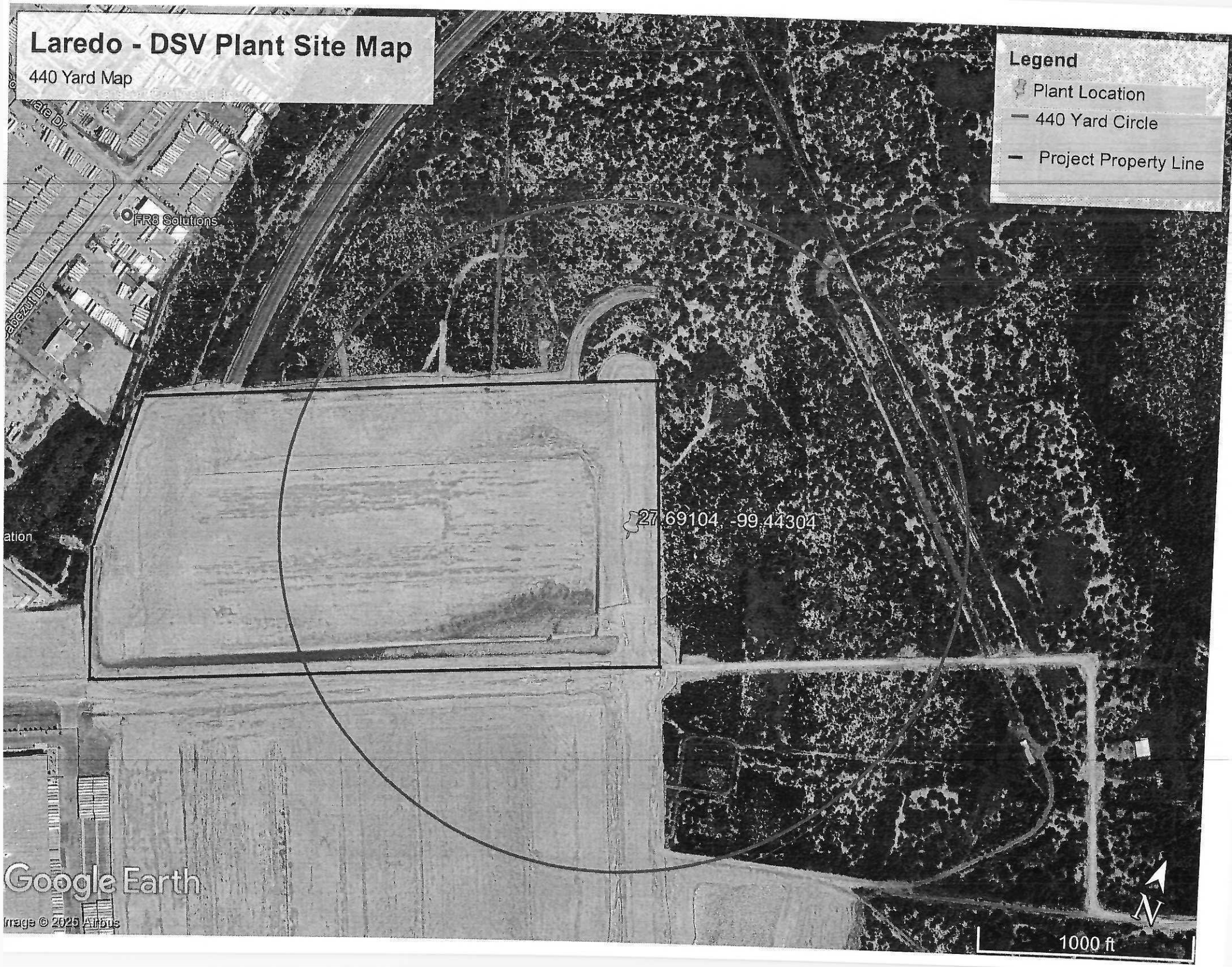


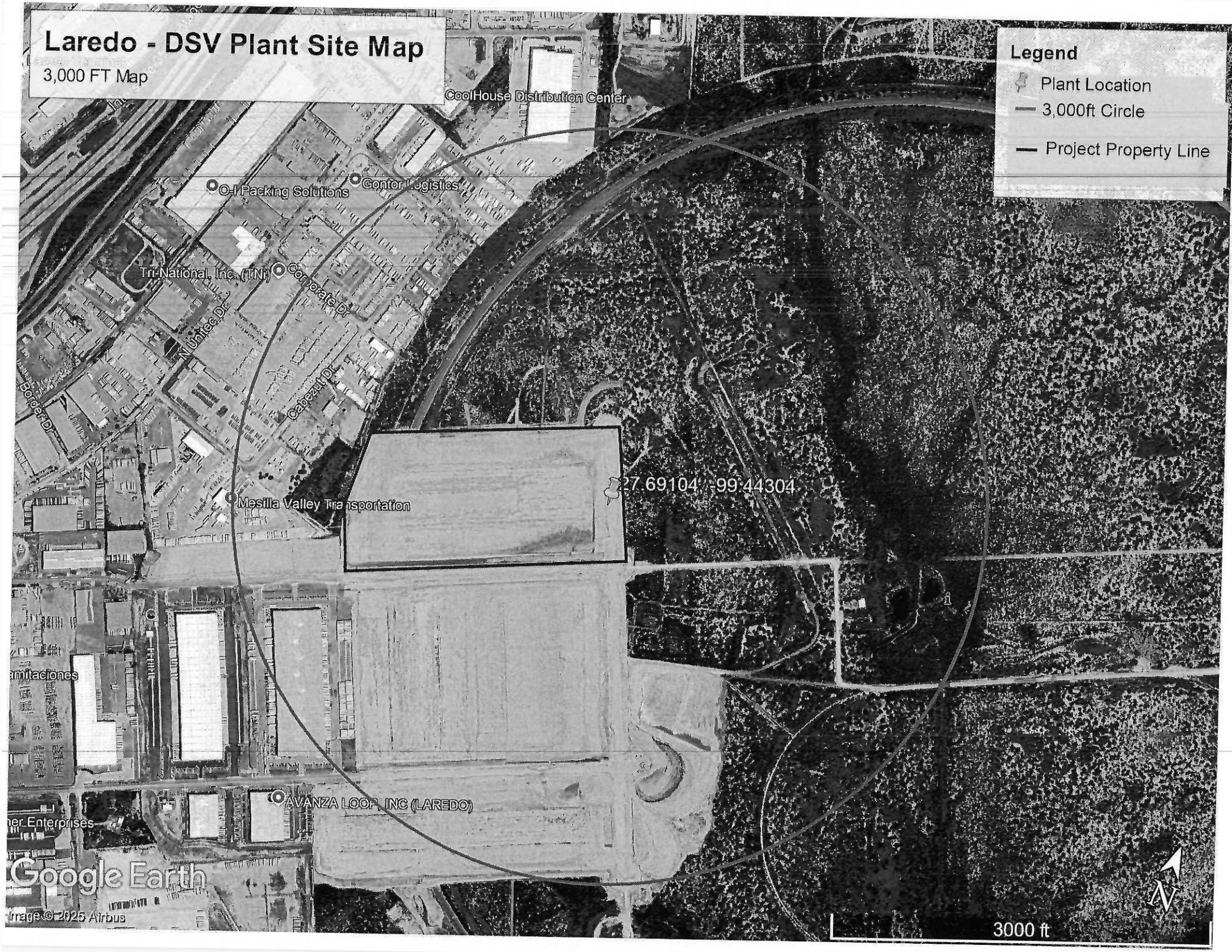
Rev.2: 4/17/24

# Ingram Readymix Laredo- DSV Project
# Temporary Plant
# Plot Plan




Distances to Property lines is accurate
* (Not to Scale)


Laredo - DSV Plant Site Map
440 Yard Map
Legend
Plant Location
440 Yard Circle
Project Property Line
FR8 Solutions
27.69104, -99.44304
Google Earth
Image © 2025 Airbus
N
1000 ft


Laredo - DSV Plant Site Map
3,000 FT Map
Legend
Plant Location
3,000ft Circle
Project Property Line
CoolHouse Distribution Center
O-I Packing Solutions
Contor Logistics
Tri-National, Inc. (TNI)
Corporate Dr
N United Dr
Cabezut Dr
Border Dr
27.69104, -99.44304
Mesilla Valley Transportation
AVANZA LOOP, INC (LAREDO)
Google Earth
Image © 2025 Airbus
3000 ft
N

Date: _____
Registration #: _____
Company: _____

# Concrete Batch Plant Standard Permit Registration Application

PI-1S-CBP
Air Permits Division
Texas Commission on Environmental Quality
Form 20871, Version 6.0

This workbook is a tool available for concrete batch plant standard permit registrations to streamline the review process. This workbook can be used for a **2024 Concrete Batch Plants Standard Permit** (CBSP) 6004 or for a **Concrete Batch Plants with Enhanced Controls Standard Permit** (CBPSPEC) 6008.

The January 24, 2024 amendments to the CBPSP apply to registrations issued on or after January 24, 2024. These would include CBPSP for facilities that are **new/initial, amended,** and **renewals opting to authorize under the 2024 CBPSP rules.**
Facilities applying to register for a CBPSP in compliance with the new 2024 CBPSP amendment will continue to use the version **(6.0)** of the workbook.

Facilities applying to register for a CBPSPEC will continue to use the version **6.0** of the workbook.

Renewals shall comply with the CBPSP on the later of: (i) Two years from the effective date; or (ii) the date the facility's registration is renewed. CBPSP holders that have a renewal date prior to January 24, 2026 have the option to renew under the updated requirements or under the previous rule (Effective Date September 22, 2021).
Please be advised that **renewing under the previous CBPSP rule will only authorize operations for the facility until January 24, 2026.** Applicants will be notified approximately 6 months prior to the aforementioned date to renew said permit under the updated requirement.
Facilities applying for a **renewal** under the previous CBPSP rule will use the modified version **(5.2)** of the workbook. Version 5.2 can be found online along with version 6.0.

Check our website to be sure you **use the latest version of the workbook** for all the features and accurate information.

**Complete the workbook in order of the sheets.** Responses and data entered on previous sheets are used throughout the following sheets.
Under Texas Government Code 559.003(a), individuals are entitled to receive and review any information collected by TCEQ about the individual by means of a form that is completed and filed with TCEQ in a paper or electronic format on the TCEQ website consistent with Texas Government Code sec., 559.003(b). THSC §382.041 restricts whether confidential information can be disclosed by the commission. The individual is also entitled to have TCEQ correct information about the individual that is incorrect.

If you have questions on how to fill out this form or about the Air Permits Division, please contact us at 512-239-1250.

**Types of Standard Permit Registrations Included:**

6004 - Concrete Batch Plants
6008 - Concrete Batch Plants with Enhanced Controls

**Types of Standard Permit Registration Actions Included:**

Initial
Change of representations
Initial (move to a new location)
Renewal

**To Submit:**

**Texas Commission on Environmental Quality**
**Form PI-1S-CBP**
**Cover**

Date: _____
Registration #: _____
Company: _____

1. Complete all required sections leaving no blanks unless the question is optional. You may use the "tab" button or the arrow keys to move to the next available cell. Use "enter" to move down a line. Note: dropdowns are case-sensitive.
2. Sections of the workbook which are not applicable for this project will be blocked out as data is entered. Note: if you can see the sheet title, there are questions applicable to your project on that sheet.
3. Follow the directions below to create the required workbook header.
4. **Submittal through STEERS is required as of January 1, 2021.** When submitting through STEERS:
   A. An original signature is not needed.
   B. The system notifies the appropriate regional office and local program of the application materials. You do not need to send them anything submitted through STEERS.
   C. You do still need a hard copy for the public place if notice is required.
   D. You can submit attachments with the STEERS submittal.
   E. Confidential information can be submitted without encryption.
5. Follow the guide on the "Copies" guidance sheet for where to submit the application materials.
6. Updates may be required throughout the review process. Updated workbooks must be submitted electronically. Be sure to change the headers accordingly.

**Renewal Projects**: Send the application to the TCEQ at least six months but no earlier than 18 months prior to permit expiration.

## To Submit Other Application Materials:

**All application attachments must be submitted electronically through STEERS or FTPS. Hard copy courtesy copies of the entire file are not needed by APD. Here are some tips:**

1. You must submit all application attachments through STEERS as part of your ePermit application unless:
   a) the file size of an attachment exceeds 50 MB, or
   b) the file type is not accepted (accepted file types are xls, xlsm, txt, pdf, doc, docx, wpd, csv, xml, jpg, gif, tif, and jpeg).

2. Submit all workbook files as an electronic workbook (such as Excel) with all formulas viewable for review (rather than a PDF, for example).

3. If the attachment cannot be submitted through STEERS for one of the reasons listed above, submit through email or TCEQ FTPS. If using the FTPS, you will share the files with APIRT@tceq.texas.gov for the initial submittal. Once your project has been assigned, you will share files directly with your reviewer.

4. Do not submit hard copy originals.

5. **Confidential files** should be submitted through STEERS or the TCEQ FTPS. All pages must be marked confidential and have confidential in the file name. Confidential submittals must be separate from non-confidential application materials. Emails sent to the agency are not encryption protected via Secure Sockets Layers by our server and may be subject to interception by common third-party internet tools. Anything marked as confidential will be treated as such by APD staff upon receipt.

See the below link for additional information about submitting via FTPS:

https://ftps.tceq.texas.gov/help/

## Create Headers:

1. Right-click one of the workbook's sheet tabs and "Select All Sheets."
2. Enter the "Page Layout View" by using the navigation ribbon's View > Workbook Views > Page Layout, or by clicking the page layout icon in the lower-left corner of Excel.
3. Add the date, registration number (if known), and company name to the upper-right header. Use a second line if the company name is more than 30 characters.

## Printing Tips:

**Texas Commission on Environmental Quality**
**Form PI-1S-CBP**
**Cover**

Date: _____
Registration #: _____
Company: _____

**While APD does not need a hard copy of this workbook, you will need to print it for public access if notice is required and for sending application updates to the regional offices and local programs.**

1. Do not print any sheets or pages without data entry.
2. The default printing setup for each sheet in the workbook is set for all columns on one sheet of paper. This will make the printout easier to review for future reference. We have also set the print areas to not include the instructions on each sheet.
3. You have access to change all printing settings to fit your needs and printed font size. Some common options include:
-Change what area you are printing (whole active sheet or a selection);
-Change the orientation (portrait or landscape);
-Change the margin size;
-Change the scaling (all columns on one sheet, full size, your own custom selection, etc.).

**Links:**

STEERS
De Minimis Facilities, 30 TAC § 116.119
Concrete Batch Plant Standard Permit Guidance
Concrete Batch Plant Standard Permit
Concrete Batch Plant with Enhanced Controls Standard Permit Guidance
Concrete Batch Plant with Enhanced Controls Standard Permit

**Table of Contents:** *Click to jump to that worksheet tab.*

Date: _____
Registration #: _____
Company: _____

## 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: | Ingram Readymix No. 11 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): | 801201074 |

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

| Requested Information | Response |
|---|---|
| Prefix (Mr., Ms., Dr., etc.): | Dr. |
| First Name: | Earl |
| Last Name: | Ingram |
| Title: | CEO |
| Mailing Address: | FM 482 |
| Address Line 2: | |
| City: | New Braunfels |
| State: | Texas |
| ZIP Code: | 78132 |
| Telephone Number: | 830-625-9156 |
| Fax Number: | |
| Email Address: | earl@irmtx.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: | Clint |
| Last Name: | Burnett |
| Title: | Environmental Manager |
| Company or Legal Name: | Ingram Readymix Inc. |
| Mailing Address: | 3580 FM 482 |
| Address Line 2: | |
| City: | New Braunfels |
| State: | Texas |
| ZIP Code: | 78132 |
| Telephone Number: | 830-625-9156 |
| Fax Number: | |
| Email Address: | cburnett@irmtx.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. | CN604019836 |
| 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. | |

**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? | No |
| | |
| | |
| | |
| | |
| | |
| **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. | Webb |
| TCEQ Region | Region 16 |
| Street Address: | 1302 Uniroyal Drive |
| 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. | Laredo |
| ZIP Code: Include the ZIP Code of the physical facility site, not the ZIP Code of the applicant's mailing address. | 78045 |
| 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. | From intersection of IH-35 and Uniroyal Drive in Laredo, travel east 0.9 miles and the project entrance is at the east end of Uniroyal Drive |
| **B. General Information** | |
| **Requested Information** | **Response** |
| Facility Name: | Ingram Readymix DSV Project |
| 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. | Concrete Batch Plant |
| 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 | Temporary |
| Note: A temporary plant is limited to 180 consecutive days on site or for the duration required to complete a single project. | |
| **Requested Information** | **Response** |
| Length of time at site (days) | 180 (or length of single project completion) |
| Provide single project name and any identifying project numbers (for example, indicate TXDOT project name) | DSV Project |
| Serial number of the equipment to be authorized, if applicable: | |
| Serial number of the equipment to be authorized, if applicable: | |
| **D. Industry Type** | |

| Requested Information | Response |
|---|---|
| Principal Company Product/Business: | Readymix Concrete Production |
| 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: | Judith Zaffirini |
| District: | 21 |
| State Representative: | Richard Pena |
| District: | 42 |

**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: | Tano E Tijerina |
| Mailing Address: | 1000 Houston St. - 3rd Floor |
| Address Line 2: | |
| City: | Laredo |
| State: | Texas |
| ZIP Code: | 78040 |
| 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). | Operation and construction of a portable, temporary concrete batch plant on-site of the DSV construction project to produce readymix concrete. The temporary concrete batch plant will service only the DSV project until completion. |

**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 |

Date: _____
Registration #: _____
Company: _____

## 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 | Temporary |
| 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? | No |
| 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 (%)? | 99.90% | 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. | | 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 |
|---|---|---|---|
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| (6)(F) | Will the engine(s) be on-site for less than 12 consecutive months? | Yes | There are no restrictions to engine operations if the engines will be on-site for less than 12 consecutive months. |
| | | | |

**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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| 8(B) | Is this project for a temporary concrete batch plant approved to operate in or contiguous to the right-of-way of a public works project? | No | N/A |
| | | | |
| 8(C) | How many cubic yards per year will this plant produce? ($yd^3$/yr) | 300,000 | 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 |
| | | | |
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| 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) | 100 | N/A |
| | What is the distance from the property line to the stockpiles? (ft) | 50 | 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. |
| | | | |
| | Will all batch trucks and material delivery trucks remain on the paved surface when entering, conducting primary function, and leaving the property? | No | **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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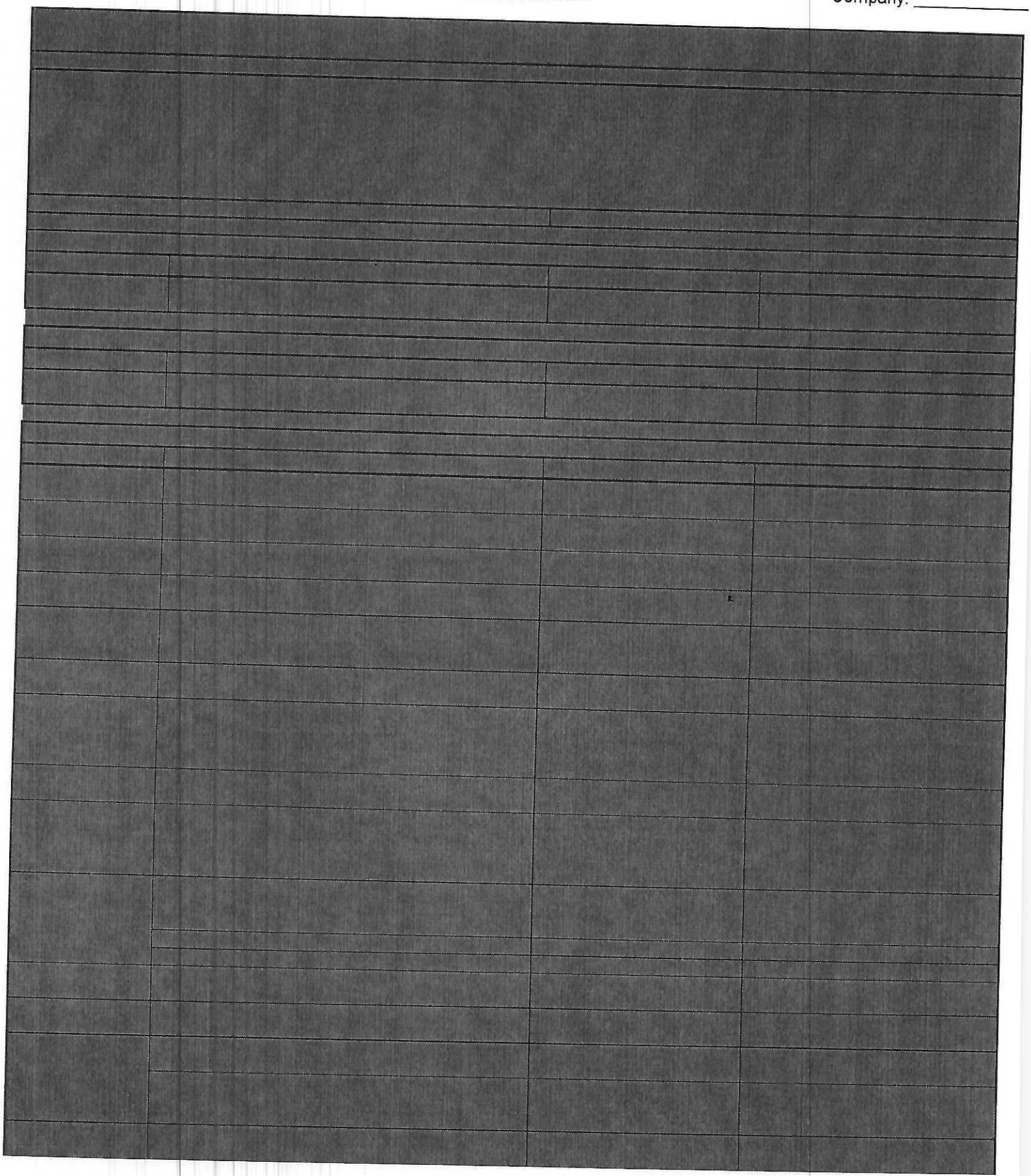
Registration #: _____
Company: _____



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Date: _____
Registration #: _____
Company: _____

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

lick here to go back to the 6008 Checklist sheet.

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

**structions:**

Complete all applicable questions below.

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

| **ection 1: Maximum operating schedule** | |
|---|---|
| **equested Information** | **Response** |
| /hat is the maximum hours per day? | 24 |
| /hat is the maximum days per week? | 6 |
| /hat is the maximum weeks per year? | 50 |
| /hat is the maximum hours per year? | 7200 |

| **ection 2: Aggregate Information** | |
|---|---|
| **equested Information** | **Response** |
| /ill sand and aggregate be washed prior to delivery at our site? | Yes |
| /hat is the total ground surface area of aggregate ockpiles? (acres) | 1 acre |
| dicate where water sprays will be used, if applicable. | |
| dditional location for water sprays, if applicable. | |
| dditional location for water sprays, if applicable. | |
| dditional location for water sprays, if applicable. | |

| **ection 3: Filter System Information** | |
|---|---|
| **equested Information** | **Response** |
| ow many filter systems will this plant have? | 3 |
| /ill all filter systems be operated the same way? | No |

Date: _____
Registration #: _____
Company: _____

# 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 | **9** |
| Manufacturer | Donaldson Company Inc |
| Model Number | 9FS6 |
| List the sources being controlled | Truck Loading Point/Shroud |
| 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 | 2.58592 |
| Particulate grain loading (grain/scf) - outlet | 0.000258592 |

**Filter System 2**

| Requested Information | Response |
|---|---|
| EPN | **11** |
| Manufacturer | Cemco |
| Model Number | CPV-1 |
| List the sources being controlled | Cement Weigh Batcher |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 350 |
| Average expected flow rate (acfm) | 216 |
| Particulate grain loading (grain/scf) - inlet | 0.8534 |
| Particulate grain loading (grain/scf) - outlet | 0.00008534 |

**Filter System 3**

| Requested Information | Response |
|---|---|
| EPN | **12 and 13** |
| Manufacturer | Donaldson Company Inc |
| Model Number | TBV2 |
| List the sources being controlled | Cement and Supplement Silo Vent |
| Type of particulate controlled | PM/PM10/PM2.5, cement dust |
| Design maximum flow rate (acfm) | 2000 |
| Average expected flow rate (acfm) | 2000 |
| Particulate grain loading (grain/scf) - inlet | 0.01 |
| Particulate grain loading (grain/scf) - outlet | 0.00001 |

Date: _____
Registration #: _____
Company: _____

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Date: _____
Registration #: _____
Company: _____

## 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.

| Engine 1 | |
|---|---|
| **Requested Information** | **Response** |
| Manufacturer | |
| Model number | |
| Manufacture date | |
| What is the engine exhaust stack height? (ft) | |
| Horsepower rating | |
| NOx emission factor (g/hp-hr) | |
| Does NSPS JJJJ apply? | |
| Does MACT ZZZZ apply? | |
| Does NSPS IIII apply? | |
| Does 30 TAC Chapter 117 apply? | |

| Engine 2 | |
|---|---|
| **Requested Information** | **Response** |
| Manufacturer | |
| Model number | |
| Manufacture date | |
| What is the engine exhaust stack height? (ft) | |
| Horsepower rating | |
| NOx emission factor (g/hp-hr) | |
| Does NSPS JJJJ apply? | |
| Does MACT ZZZZ apply? | |
| Does NSPS IIII apply? | |
| Does 30 TAC Chapter 117 apply? | |

| Engine 3 | |
|---|---|
| **Requested Information** | **Response** |
| Manufacturer | |
| Model number | |
| Manufacture date | |
| What is the engine exhaust stack height? (ft) | |
| Horsepower rating | |
| NOx emission factor (g/hp-hr) | |
| Does NSPS JJJJ apply? | |
| Does MACT ZZZZ apply? | |
| Does NSPS IIII apply? | |
| Does 30 TAC Chapter 117 apply? | |

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

Date: _____
Registration #: _____
Company: _____

# 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: | Clint |
| Last Name: | Burnett |
| Title: | Environmental Manager |
| Company Name: | Ingram Readymix Inc |
| Mailing Address: | 3580 FM 482 |
| Address Line 2: | |
| City: | New Braunfels |
| State: | Texas |
| ZIP Code: | 78132 |
| Telephone Number: | 830-625-9156 |
| Fax Number: | |
| Email Address: | cburnett@irmtx.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: | Clint |
| Last Name: | Burnett |
| Title: | Environmental Manager |
| Company Name: | Ingram Readymix Inc |
| Mailing Address: | 3580 FM 482 |
| Address Line 2: | |
| City: | New Braunfels |
| State: | Texas |
| ZIP Code: | 78132 |
| Telephone Number: | 830-625-9156 |
| Fax Number: | |
| Email Address: | cburnett@irmtx.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: | Public Library - McKendrick Ochoa Salinas Branch Library |
| Physical Address: | 1920 Palo Blanco St |
| Address Line 2: | |
| City: | Laredo |
| ZIP Code: | 78046 |
| County: | Webb |
| 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? | No |
| | |
| | |
| | |
| Small business classification: | **No** |

# 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 | |

| 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 |

## Where to Submit this Application

Click here to go back to the Fees sheet.

*This worksheet is for informational purposes only. No data is required and you do not need to print this sheet.*
This worksheet provides guidance on where to send copies of the application materials.

**Submittal Instructions:**
1. Submit application materials as indicated below. Processing delays will occur if copies are not sent as noted.
2. Retain a copy for your records.
3. Indicate to whom copies have been sent on the cover letter of any subsequent correspondence.

**Subsequent Submittal Instructions:**
4. All subsequent correspondence should be copied to the TCEQ regional office and local air pollution control program(s), as appropriate.
5. Indicate the assigned registration number(s), RN, CN, and permit reviewer, if known, on all subsequent correspondence.
6. A copy of all application materials must be maintained on-site. For sites that normally operate unattended, a copy must be maintained at an office within Texas that has operational control of the site.

**Notes:**
- **Submittal through STEERS is required as of January 1, 2021.**
- All application and application attachments for APD must be submitted electronically.

| Who | Where | When | What |
|---|---|---|---|
| Air Permits Division Air Permits Initial Review Team (APIRT) | Submit the application through STEERS following the instructions on the Cover sheet. | All applications | Application (including this PI-1S-CBP application workbook and required attachments) |
| Financial Administrative Division, Revenue Operations Section | ePay | All applications | Permit fee and expedited processing surcharge, if expedited processing is requested |
| Region 16 | 707 E. Calton Rd., Ste. 304, Laredo, TX 78041-3887 | All applications with updates since original submittal | Copies of updated application materials (such as updated workbook or attachments) -- Note, original materials are automatically sent by STEERS |
| Local Air Pollution Control Program(s) | To find your local air pollution control programs go to the link below. | All applications with updates since original submittal in an area having jurisdiction | Copies of updated application materials (such as updated workbook or attachments) -- Note, original materials are automatically sent by STEERS |

**Links**

| Destination | Link |
|---|---|
| TCEQ Regional Offices | https://www.tceq.texas.gov/agency/directory/region |
| Local Air Pollution Control Programs | https://www.tceq.texas.gov/permitting/air/local_programs.html |

# Ingram Readymix Inc.


3580 FM 482
New Braunfels,Texas 78132
(830) 625-9156
1-800-897-5565
Fax: (830) 625-9174

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Email: rramirez@irmtx.com