AARC ENVIRONMENTAL, INC.

Environmental,
Occupational Health &
Safety Solutions

AIR QUALITY STANDARD PERMIT APPLICATION
R&L CONCRETE LLC
KAUFMAN, TX

JANUARY 2023

Prepared for:
R&L Concrete LLC
US Highway 175 (32.515611 N -96.266333 W)
Kaufman, Texas 75142

Submitted to:
Texas Commission on Environmental Quality
Office of Air Quality
12124 Park 35 Circle
Austin, Texas 78753

AARC Project No: 4-E-8909-400-91

TABLE OF CONTENTS

INTRODUCTION

R&L Concrete LLC is proposing to construct and operate a permanent concrete batch plant to be located at US Highway 175 (32.515611 N -96.266333 W), Kaufman, Texas. The facility intends to register the concrete batch plant as standard permit under 30 TAC 116, Subchapter F.

This application format corresponds to the TCEQ excel workbook PI-1S-CBP (Concrete batch plants).

FORM PI-1S-CBP

Form PI-1S-CBP (TCEQ 20871, Version 5.2) – PI-1S Registrations for Air Standard Permit – Concrete Batch Plants

Following pages of Workbook Sheets are included in print copy of the application

Sheet	Page #	Comment
Cover	1 - 3	Not Included – Instructions for form
PI-1S-CBP	4 - 9	
6004 Checklist	10 - 13	
6008 Checklist	14 - 15	Not Included – Not applicable for the facility
Table 20-CBP	16	
Table 11-CBP	17 - 18	Page 18 is blank (Page 18 is not included)
Table 29-CBP	19	Not Included – Not applicable for the facility
Public Notice	20 - 22	
Fees	23 - 24	
Copies	25	Not Included – Instructions for submission
6004 Requirements	26 - 30	
6008 Requirements	31 - 32	Not Included – Not applicable for the facility

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

This sheet provides administrative information needed by the TCEQ.

Instructions:
1. Complete all applicable sections below.

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 from the type of action requested using the drop down. 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	Registration Number	Expiration Date
6004 - Concrete Batch Plants	Initial		

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 8(F)(i) 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 8(F)(ii) of Standard Permit 6004)	No

B. Company Information

Company or Legal Name:	R&L Concrete LLC

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

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

Texas Secretary of State Charter/Registration Number (if given):	802643591

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

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Rolando
Last Name:	Suarez
Title:	Manager
Mailing Address:	907 Royse Ridge Rd.
Address Line 2:	
City:	Ennis
State:	TX
ZIP Code:	75119
Telephone Number:	786-768-9615
Fax Number:	
Email Address:	rolandosuarez68@yahoo.es

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.**

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Venkata
Last Name:	Godasi
Title:	Graduate Engineer
Company or Legal Name:	AARC Environmental, Inc.
Mailing Address:	2000 W. Sam Houston Parkway S., Suite # 850
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77042
Telephone Number:	713-974-2272
Fax Number:	
Email Address:	vgodasi@aarcgroup.com

E. Assigned Numbers

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):	802643591

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

Requested Information	**Response**
Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Rolando
Last Name:	Suarez
Title:	Manager
Mailing Address:	907 Royse Ridge Rd.
Address Line 2:	
City:	Ennis
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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.):	Ms.
First Name:	Vrinda
Last Name:	Bhuta
Title:	Attorney
Company or Legal Name:	Song Whiddon PLLC
Mailing Address:	8111 Lyndon B Johnson Fwy
Address Line 2:	Suite 480
City:	Dallas
State:	Texas
ZIP Code:	75251
Telephone Number:	(214)528-8400
Fax Number:	(214)528-8402
Email Address:	vbhuta@songwhiddon.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.	CN606101665
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.	RN111647921

II. Delinquent Fees and Penalties

Requested Information	**Response**
Does the applicant have unpaid delinquent fees and/or penalties owed to the TCEQ? 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

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.

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.	
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

Does the applicant have unpaid delinquent fees and/or penalties owed to the TCEQ? 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: https://www.tceq.texas.gov/agency/financial/fees/delin	No

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

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

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.	Kaufman
TCEQ Region	Region 4
Street Address:	US Highway 175 (32.515611 N; -96.266333 W)
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.	Kaufman
ZIP Code: Include the ZIP Code of the physical facility site, not the ZIP Code of the applicant's mailing address.	75142
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 Jiba Road (County Road 147), US Highway 175, drive 0.4 miles south on US Highway 175 & site entrance on left side
B. General Information	
Requested Information	**Response**
Facility Name:	R&L Concrete - Kaufman - CBP
Area Name: Must indicate the general type of operation, process, equipment or facility. Include numerical designations, if appropriate. Examples are Sulfuric Acid Plant and No. 5 Steam Boiler. Vague names such as Chemical Plant are not acceptable.	Concrete Ready Mix 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	Permanent
Requested Information	**Response**
Serial number of the equipment to be authorized, if applicable:	78112
Serial number of the equipment to be authorized, if applicable:	

A. Location	
County: Enter the county where the facility is physically located.	Kaufman
TCEQ Region	Region 4
Street Address:	US Highway 175 (32.515611 N; -96.266333 W)
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.	Kaufman
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Is the facility currently registered as a temporary facility in Texas?	No
Are there any schools located within 3,000 feet of the site boundary?	No
C. Type of Plant	
Type of plant	Permanent
Serial number of the equipment to be authorized, if applicable:	
Serial number of the equipment to be authorized, if applicable:	
D. Industry Type	
Principal Company Product/Business:	Ready Mix Concrete
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/	
State Senator:	Senator Bob Hall

D. Industry Type

Requested Information	Response
Principal Company Product/Business:	Ready Mix Concrete
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:	Senator Bob Hall
District:	Senate District 2
State Representative:	Representative Keith Bell
District:	House District 4

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:	Judge Jakie Allen
Mailing Address:	1902 E. US Highway 175
Address Line 2:	
City:	Kaufman
State:	TX
ZIP Code:	75142
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).	R&L Concrete LLC is proposing to construct and operate a permanent concrete batch plant to be located at US Highway 175 (32.515611 N - 96.266333 W), Kaufman, Texas. The facility intends to register the concrete batch plant as standard permit under 30 TAC 11, Subchapter F

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

District:	Senate District 2
State Representative:	Representative Keith Bell
District:	House District 4

D. 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:

The Honorable:	Judge Jakie Allen
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Address Line 2:	
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V. Project Information

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Provide a brief description of the project that is requested. (Limited to 500 characters).	R&L Concrete LLC is proposing to construct and operate a permanent concrete batch plant to be located at US Highway 175 (32.515611 N -96.266333 W), Kaufman, Texas. The facility intends to register the concrete batch plant as standard permit under 30 TAC 116, Subchapter F.

B. Enforcement Projects

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

Is confidential information submitted with this application?	No

B. Is the Core Data Form (Form 10400) attached?	Yes
https://www.tceq.texas.gov/assets/public/permitting/centralregistry/10400.docx	
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

Concrete Batch Plant Standard Permit Checklist - 6004

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

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

Type of plant	Permanent
Type of operation	Ready Mix

Condition Number	Description	Response	Notes
Section 3: Administrative Requirements			
(3)(A)-(K)	Will you meet all of the requirements of Section 3 of the Standard Permit regarding administrative requirements?	Yes	
Section 4: Public Notice			
(4)	Will you meet all of the requirements of Section 4 of the Standard Permit regarding public notice?	Yes	
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	
Is this a portable facility moving to a site in which a portable facility was located at the site at any time during the previous two years and was the site subject to public notice?		No	
Section 5: General Requirements			
(5)(A)	Are the storage silos and auxiliary storage tanks controlled by a cartridge or filter system?	Yes	
	How will the weigh hopper be vented? More than one may be selected using the following rows.	Vented to central fabric/cartridge filter system	
	Select second method, if applicable.		
(5)(B)(i)	Will fabric/cartridge filters and collection systems be operated properly with no tears or leaks?	Yes	
(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 (%)?	99.9	
(5)(B)(iii)	Will all filter systems meet visible emissions performance standards?	Yes	
(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	
(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	
(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	
(5)(D)	What type of device is utilized onsite to warn when silos are reaching capacity?	Warning device	

Concrete Batch Plant Standard Permit Checklist - 6004

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

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

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

Type of plant	Permanent
Type of operation	Truck Mix
Will the owner or operator of truck mix plant(s) shelter the truck loading operation with a three-sided solid enclosure or equivalent that extends from the ground level to three feet above the truck-receiving funnel?	Yes
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 central fabric/cartridge filter system	N/A
	Select second method, if applicable.	N/A	N/A
	Select third method, if applicable.	N/A	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)(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	
	Do you regularly prevent particle build-up on visible warning devices?	Yes	
(5)(D)(iii)	Will warning devices or shut-off systems 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	
(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.	Paved with a cohesive hard surface that is maintained intact and cleaned.	
	Select the second control method, if applicable.	Watering	
	Select the third control method, if applicable.		
	Select the fourth control method, if applicable.		
(5)(F)	How will dust emissions from all stockpiles be minimized at all times? More than one may be selected using the following rows.	sprinkling with water	
	Select the second control method, if applicable.		
	Select the third control method, if applicable.		
(5)(G)	Confirm that all material spills will be immediately cleaned up and contained or dampened so dust emissions are minimized.	I agree	
(5)(H)	Will visible emissions 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?	No	
	Will quarterly visible emission observations be performed and recorded in accordance with Section (3)(J) of this standard permit?	Yes	
	If visible emissions exceed Test Method 22 criteria, will immediate corrective action be taken and documented?	Yes	
(5)(I)	What is the distance from the concrete batch plant to any crushing plant or hot mix asphalt plant? (feet)	Not Applicable	
(5)(J)	Are multiple concrete batch plants being operated on the same site?	Yes	
	Will site production limits be maintained per Section (8), (9), or (10)?	Yes	
(5)(K)	Confirm that none of the concrete additives will emit volatile organic compounds (VOC)?	I agree	

Section 6: Engine Requirements			
(6)(A)	How many engines are being authorized with this standard permit registration?	0	

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

	What is the setback distance of the single truck mix plant with the shrouded mixer truck-receiving funnel and enclosure? (ft)	100	N/A
8(C)	How many cubic yards per year will this plant produce? (yd^3/yr)	72,000	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)	6,500	Minimum of 5,000 actual cubic feet per minute (acfm) of air.
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?	Yes	N/A
8(G)(i)-(iv)	Select which method(s) will be used to prevent tracking of sediment onto adjacent roadways and reduce the generation of dust. More than one method may be selected using the following rows.	Respond below.	N/A
	Option: Select primary method, if applicable.	(i) watering, sweeping, and cleaning the plant road entrances;	N/A
	Option: Select second method, if applicable.		N/A
	Option: Select third method, if applicable.		N/A
	Option: Select fourth method, if applicable.		N/A
8(H)	Will stationary equipment, stockpiles, and vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located no closer than 50 feet less than the applicable minimum setback distance listed in subsection (8)(A) from any property line?	Yes	Stationary Equipment excludes the suction shroud fabric/cartridge filter exhaust, drum feed fabric/cartridge filter exhaust, cement/fly ash storage silos, and engine.
	What is the distance from the property line to the stationary equipment? (ft)	90	N/A
	What is the distance from the property line to the stockpiles? (ft)	104	N/A
	What is the distance from the property line to the vehicles? (ft)	20	Section 8(I)(i)-(ii) is required.
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?	Yes	Input for Section 8(I)(i)-(ii) is required.
8(I)(ii)	Optional: Will the border be constructed to a height of at least 12 feet?	Yes	This requirement is optional

Section 9: Additional Requirements for Permanent Concrete Batch Plants			
(9)(A)	How many cubic yards per hour will be produced by this plant?	90	
	How many cubic yards per day will be produced by this plant?	2160	
(9)(B)	Will the suction shroud or other pickup device be installed at the batch drop point (drum feed for central mix plants)?	Yes	
	What is the average filtering velocity of the fabric or cartridge filter system for the suction shroud or other pickup device (acfm)?	6500	
(9)(C)	Will the truck drop point for the ready-mix plant be sheltered by an intact three-sided curtain or equivalent dust control technology that extends below the mixer truck-receiving funnel?	Yes	
(9)(D)(i)	What is the distance from the property line to the suction shroud baghouse exhaust (feet)?	110	
(9)(D)(ii)	What is the distance from the property line to the nearest piece of stationary equipment? (feet)	90	
	What is the distance from the property line to the nearest stockpile? (feet)	104	
	What is the distance from the property line to the nearest area where vehicles will be used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site)? (feet)	20	
(9)(E)(i)	In lieu of meeting the distance requirements for roads and stockpiles in (9)(D)(ii), will the roads and other traffic areas within the buffer distance be bordered dust suppressing fencing or other barriers along all traffic routes or work areas?	Yes	
(9)(E)(ii)	What will be the height of the constructed borders? (feet)	12	
(9)(E)(iii)	Will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile?	Yes	
(9)(F)	Will all entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) be paved with a cohesive hard surface that can be maintained intact and cleaned?	Yes	
	Will all batch trucks and material delivery trucks remain on the paved surface when entering, conducting primary function, and leaving the property?	Yes	

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

	Will all other traffic areas, except entry and exit roads and main traffic routes, be maintained using the control requirements of subsection (5)(E) of this standard permit.	Yes	

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

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

Instructions:
1. Complete all applicable questions below.

Type of batching that will be accomplished	Wet (rotary mix truck)
Section 1: Maximum operating schedule	
What is the maximum hours per day?	24
What is the maximum days per week?	7
What is the maximum weeks per year?	52
What is the maximum hours per year?	8760
Does the facility operate at night?	Yes
Section 2: Aggregate Information	
Will sand and aggregate be washed prior to delivery at your facility?	Yes
What is the size of the area which will be covered be aggregate stockpiles? (acres)	1
Indicate where water sprays will be used, if applicable	Stockpiles
Additional location for water sprays, if applicable	Convey or transfer points
Additional location for water sprays, if applicable	
Additional location for water sprays, if applicable	
Section 3: Filter System Information	
How many filter systems will this plant have?	3
Will all filter systems be operated the same way?	No

Table 11: Fabric Filters - Concrete Batch Plant Standard Permits

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	
EPN	**8**
Manufacturer	Vince Hagan
Model Number	VH-245JP
List the sources being controlled	Cement Silo
Type of particulate controlled	PM/PM10/PM2.5, cement dust
Design maximum flow rate (acfm)	600
Average expected flow rate (acfm)	600
Particulate grain loading (grain/scf) - inlet	7.097
Particulate grain loading (grain/scf) - outlet	0.001
Filter System 2	
EPN	**9**
Manufacturer	Vince Hagan
Model Number	VH-245JP
List the sources being controlled	Flyash Silo
Type of particulate controlled	PM/PM10/PM2.5, cement dust
Design maximum flow rate (acfm)	600
Average expected flow rate (acfm)	600
Particulate grain loading (grain/scf) - inlet	30.528
Particulate grain loading (grain/scf) - outlet	0.003
Filter System 3	
EPN	**11**
Manufacturer	Vince Hagan
Model Number	VH-1094JP
List the sources being controlled	Cental Dust Collector
Type of particulate controlled	PM/PM10/PM2.5, cement dust
Design maximum flow rate (acfm)	6500
Average expected flow rate (acfm)	6500
Particulate grain loading (grain/scf) - inlet	1.101
Particulate grain loading (grain/scf) - outlet	0.0001

Public Notice Information and Small Business Classification

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 30 TAC § 39.604(c). Additional information regarding public notice such as an overview of requirements, an applicability table, and a list of some common errors that may cause renotice and delays in processing your application can be found at the link below:

https://www.tceq.texas.gov/permitting/air/bilingual/how1_2_pn.html

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.

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Rolando
Last Name:	Suarez
Title:	Manager
Company Name:	R&L Concrete LLC
Mailing Address:	907 Royse Ridge Rd.
Address Line 2:	
City:	Ennis
State:	TX
ZIP Code:	75119
Telephone Number:	786-768-9615
Fax Number:	
Email Address:	rolandosuarez68@yahoo.es

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.

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Venkata
Last Name:	Godasi
Title:	Graduate Engineer
Company Name:	AARC Environmental, Inc.
Mailing Address:	2000 W. Sam Houston Parkway S., Suite # 850
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77042
Telephone Number:	713-974-2272
Fax Number:	
Email Address:	vgodasi@aarcgroup.com

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.):	Ms.
First Name:	Vrinda
Last Name:	Bhuta
Title:	Attorney
Company Name:	Song Whiddon PLLC
Mailing Address:	8111 Lyndon B Johnson Fwy
Address Line 2:	
City:	Dallas
State:	TX
ZIP Code:	75251
Telephone Number:	(214)528-8400
Fax Number:	(214)528-8402
Email Address:	vbhuta@songwhiddon.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.):	Ms.
First Name:	Vrinda
Last Name:	Bhuta
Title:	Attorney
Company Name:	Song Whiddon PLLC
Mailing Address:	8111 Lyndon B Johnson Fwy
Address Line 2:	Suite 480
City:	Dallas

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.***

Name of Public Place:	Kaufman County Library
Physical Address:	3790 S Houston St
Address Line 2:	
City:	Kaufman
ZIP Code:	75142
County:	Kaufman
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.

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.	

State:	TX
ZIP Code:	75251
Telephone Number:	713-974-2272
Fax Number:	
Email Address:	vbhuta@songwhiddon.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:	Kaufman County Library
Physical Address:	3790 S Houston St
Address Line 2:	
City:	Kaufman County Library
ZIP Code:	75142
County:	Kaufman
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

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

Fee Verification

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?	No

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	
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.? Note: an electronic PE seal is acceptable.	No

Amendments to the Air Quality Standard Permit for Concrete Batch Plants

Effective Date September 22, 2021

All of the following applicable requirements must be met to obtain a Concrete Batch Plant Standard Permit registration. No data is required on this sheet.

1 **Applicability**

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

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

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

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

2 **Definitions**

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

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

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

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

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

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

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

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

I Specialty concrete batch plant - For the concrete batch plant standard permit, it is a concrete batch plant with a low production concrete mixing plant that manufactures concrete less than or equal to 30 cubic yards per hour (cu yd/hr). These plants are typically dedicated to manufacturing precast concrete products, including but not limited to burial vaults, septic tanks, yard ornaments, concrete block and pipe, etc. This does not include small repair projects using mortar, grout, gunite, or other concrete repair materials.

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

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

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

3 **Administrative Requirements**

A The owner or operator of any concrete batch plant seeking authorization under this standard permit shall register in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit. Owners or operators shall submit a completed, current form PI-1S Registrations for Air Standard Permit, Table 11, Fabric Filters, Table 20, Concrete Batch Plants, and a Concrete Batch Plant Standard Permit checklist.

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

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

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

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

F Renewals shall comply with this standard permit on the later of:
- (i) Two years from the effective date; or
- (ii) the date the facility's registration is renewed.

G Owners or operators of temporary concrete plants seeking registration and those already registered for this standard permit that qualify for relocation under subsection (8)(F) are exempt from public notice requirements in section (4) of this standard permit.

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

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

J Owners or operators shall keep written records on site for a rolling 24-month period. Owners or operators shall make these records available at the request of TCEQ personnel or any air pollution control program having jurisdiction. Records shall be maintained on-site for the following including, but not limited to:
- (i) 30 TAC § 101.201, Emissions Event Reporting and Recordkeeping Requirements;
- (ii) 30 TAC § 101.211, Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements;
- (iii) production rate for each hour and day of operation that demonstrates compliance with subsection (8)(A),(9)(A), or (10)(A) of this standard permit, as applicable;
- (iv) all repairs and maintenance of abatement systems;
- (v) Material Safety Data Sheets for all additives and other chemicals used at the site;
- (vi) road cleaning, application of road dust control, or road maintenance for dust control;
- (vii) stockpile dust suppression;
- (viii) silo warning device or shut-off system tests;
- (ix) quarterly visible emissions observations and any corrective actions required to control excess visible emissions;
- (x) demonstration of compliance with subsection (6)(B) of this standard permit; and
- (xi) type of fuel used to power engines authorized by this standard permit.

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

4 **Public Notice**

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

5 **General Requirements**

A Owners or operators shall vent all cement/fly ash storage silos, weigh hoppers, and auxiliary storage tanks to a fabric/cartridge filter or to a central fabric/cartridge filter system except as allowed by subsection (10)(B).

B Owners or operators shall maintain fabric or cartridge filters and collection systems by meeting all the following:
- (i) operating them properly with no tears or leaks;
- (ii) using filter systems (including any central filter system) designed to meet a minimum control efficiency of at least 99.5 percent at particle sizes of 2.5 microns and smaller;
- (iii) meeting a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using United States Environmental Protection Agency (EPA) Test Method (TM) 22; and
- (iv) sufficiently illuminating silo filter exhaust systems when cement or fly ash silos are filled during non-daylight hours to enable a determination of compliance with the visible emissions requirement in paragraph (5)(B)(iii) of this standard permit.

C When transferring cement/fly ash, owners or operators shall:
  (i) totally enclose conveying systems to and from storage silos and auxiliary storage tanks, operate them properly, and maintain them with no tears or leaks; and
  (ii) maintain the conveying system using a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using EPA TM 22, except during cement and fly ash tanker connect and disconnect.

D The owner or operator shall install an automatic shut-off or warning device on storage silos.
  (i) An automatic shut-off device on the silo shall shut down the loading of the silo or auxiliary storage tank prior to reaching its capacity during loading operations, in order to avoid adversely impacting the pollution abatement equipment or other parts of the loading operation.
  (ii) If a warning device is used, it shall alert operators in sufficient time to prevent an adverse impact on the pollution abatement equipment or other parts of the loading operation. Visible warning devices shall be kept free of particulate build-up at all times.
  (iii) Silo and auxiliary tank warning devices or shut-off systems shall be tested at least once monthly during operations and records shall be kept indicating test and repair results according to subsection (3)(J) of this standard permit. Silo and auxiliary tank loading and unloading shall not be conducted with inoperative or faulty warning or shut-off devices.

E Owners or operators shall control emissions from in-plant roads and traffic areas at all times by:
  (i) watering them; or
  (ii) treating them with dust-suppressant chemicals as described in the application of aqueous detergents, surfactants, and other cleaning solutions in the de minimis list; or
  (iii) covering them with a material such as, (but not limited to), roofing shingles or tire chips and used in combination with (i) or (ii) of this subsection; or
  (iv) paving them with a cohesive hard surface that is maintained intact and cleaned.

F Owners or operators shall use water, dust-suppressant chemicals, or cover stockpiles, as necessary to minimize dust emissions.

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

H There shall be no visible fugitive emissions leaving the property. Observations for visible emissions shall be performed and recorded quarterly. The visible emissions determination shall be made during normal plant operations. Observations shall be made on the downwind property line for a minimum of six minutes. If visible emissions are observed, an evaluation must be accomplished in accordance with U.S. Environmental Protection Agency (EPA) Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, TM 22, using the criteria that visible emissions shall not exceed a cumulative 30 seconds in duration in any six-minute period. If visible emissions exceed the Test Method 22 criteria, immediate action shall be taken to eliminate the excessive visible emissions. The corrective action shall be documented within 24 business hours of completion.

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

J When operating multiple concrete batch plants on the same site, the owner or operator shall comply with the appropriate site production limits specified in sections (8), (9), or (10) of this standard permit. If engines are being used for electrical power or equipment operations, then the site is limited to a total of 1,000 hp in simultaneous operation. There are no restrictions to engine operations if the engines will be on site for less than 12 consecutive months.

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

L Any claim under this standard permit shall comply with:
  (i) 30 TAC § 116.604, Duration and Renewal of Registrations to Use Standard Permits;
  (ii) 30 TAC § 116.605(d)(I), Standard Permit Amendment and Revocation;
  (iii) 30 TAC § 116.614;
  (iv) the public notice processes established in THSC, § 382.055, Review and Renewal of Preconstruction Permit;
  (v) the public notice processes established in THSC, § 382.056;
  (vi) the contested case hearing and public notice requirements established in 30 TAC § 55.152(a)(2), Public Comment Period; and
  (vii) the contested case hearing and public notice requirements established in 30 TAC § 55.201(h)(i)(C), Requests for Reconsideration or Contested Case Hearing.

6 **Engines**

A This standard permit authorizes emissions from a stationary compression ignition internal combustion engine (or combination of engines) of no more than 1000 total horsepower.

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

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

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

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

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

8 **Additional Requirements for Temporary Concrete Plants**

A The owner or operator shall limit site production to no more than 300 cubic yards in any one hour and no more than 6,000 cubic yards per day.

B The owner or operator shall use a suction shroud or other pickup device at the batch drop point (drum feed for central mix plants) and vent it to a fabric or cartridge filter system operating with a minimum of 5,000 actual cubic feet per minute (acfm) of air.

C For truck mix plants, the owner or operator shall shelter the drop point by an intact three-sided curtain, or equivalent dust control technology that extends below the mixer truck-receiving funnel.

D The owner or operator shall maintain the following minimum plant buffer distances from any property line, except for temporary concrete plants approved to operate in the right of way of a public works project:

(i) The suction shroud baghouse exhaust shall be at least 100 feet from any property line.
(ii) The owner or operator shall not locate or operate stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) within 50 feet from any property line.

E In lieu of meeting the buffer distance requirement for roads and stockpiles in subsection (8)(D) of this standard permit owners or operators shall:

(i) construct dust suppressing fencing or other barriers as a border around roads, other traffic areas and work areas;
(ii) construct these borders to a height of at least 12 feet; and
(iii) contain stockpiles within a three-walled bunker that extends at least two feet above the top of the stockpile.

F The appropriate TCEQ regional office may approve, without the need of public notice referenced in section (4) of this standard permit, the relocations of a temporary concrete batch plant that has previously been determined by the commission to be in compliance with the technical requirements of the concrete batch plant standard permit version adopted at registration that provides the information listed under subsection (8)(G) and meets one of the following conditions:

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

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

G For relocations meeting subsection (8)(F) of this standard permit, the owner or operator must submit to the regional office and any local air pollution control agency having jurisdiction at least 12 business days prior to locating at the site:

(i) The company name, address, company contact, and telephone number;
(ii) The regulated entity number (RN), customer reference number (CN), applicable permit or registration numbers, and if available, the TCEQ account number;
(iii) The location from which the facility is moving (current location);
(iv) A location description of the proposed site (city, county, and exact physical location description);
(v) A scaled plot plan that identifies the location of all equipment and stockpiles, and also indicates that the required distances to the property lines can be met;
(vi) A scaled area map that clearly indicates how the proposed site is contiguous or adjacent to the right-of-way of a public works project (if required);
(vii) The proposed date for start of construction and expected date for start of operation;
(viii) The expected time period at the proposed site;
(ix) The permit or registration number of the portable facility that was located at the proposed site any time during the last two years, and the date the facility was last located there. This information is not necessary if the relocation request is for a public works project that is contiguous or adjacent to the right-of-way of a public works project; and

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

9 **Additional Requirements for Permanent Concrete Plants**

A The owner or operator shall limit site production to no more than 300 cubic yards in any one hour and no more than 6,000 cubic yards per day.

B The owner or operator shall install a suction shroud or other pickup device at the batch drop point (drum feed for central mix plants) and vent it to a fabric/cartridge filter system with a minimum of 5,000 acfm.

C For truck mix plants, the owner or operator shall shelter the drop point by an intact three-sided curtain, or equivalent dust control technology that extends below the mixer truck-receiving funnel.

D The owner or operator shall maintain the following minimum plant buffer distances from any property line:

(i) The suction shroud baghouse exhaust shall be at least 100 feet from any property line;

(ii) The owner or operator shall not locate or operate stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site), within 50 feet from any property line.

E In lieu of meeting the buffer distance requirements for roads and stockpiles of paragraph (9)(D)(ii) of this standard permit, the owner or operator shall:

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

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

(iii) contain stockpiles within a three-walled bunker that extends at least two feet above the top of the stockpile.

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

10 **Additional Requirements for Specialty Concrete Batch Plants**

A The owner or operator shall limit site production to no more than 30 cubic yards per hour.

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

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

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

(ii) using an enclosed batch mixer feed; or

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

D The owner or operator shall not operate vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) within a minimum buffer distance of 25 feet from any property line.

E In lieu of meeting the buffer distance requirement for roads and other traffic areas in subsection (10)(D) of this standard permit, owners or operators shall:

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

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

ATTACHMENT VI.B: CORE DATA FORM

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		**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:*

R&L Concrete LLC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0802643591	32062799161		

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:	907 Royse Ridge Rd.						
	City	Ennis	**State**	TX	**ZIP**	75119	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	rolandosuarez68@yahoo.es

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

(786) 768-9615		( ) -

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.)*

R&L Concrete - Kaufman - CBP

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	US Highway 175 (32.515611 N -96.266333 W)							
	City	Kaufman	**State**	TX	**ZIP**	75142	**ZIP + 4**	
24. County	Kaufman							

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

25. Description to Physical Location:	From intersection of Jiba Road (County Road 147), US Highway 175, drive 0.4 miles south on US Highway 175 & site enterance on left side

26. Nearest City	**State**	**Nearest ZIP Code**
Kaufman	TX	75142

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:	32.515611		**28. Longitude (W) In Decimal:**	-96.266333	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
32	30	56.20	96	15	58.80

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
3273		327320	

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

Ready Mix Concrete

34. Mailing Address:	**907 Royse Ridge Rd.**							
	City	**Ennis**	**State**	**TX**	**ZIP**	**75119**	**ZIP + 4**	
35. E-Mail Address:	**rolandosuarez68@yahoo.es**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(786) 768-9615		( ) -

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:	Venkata Godasi	**41. Title:**	Graduate Engineer

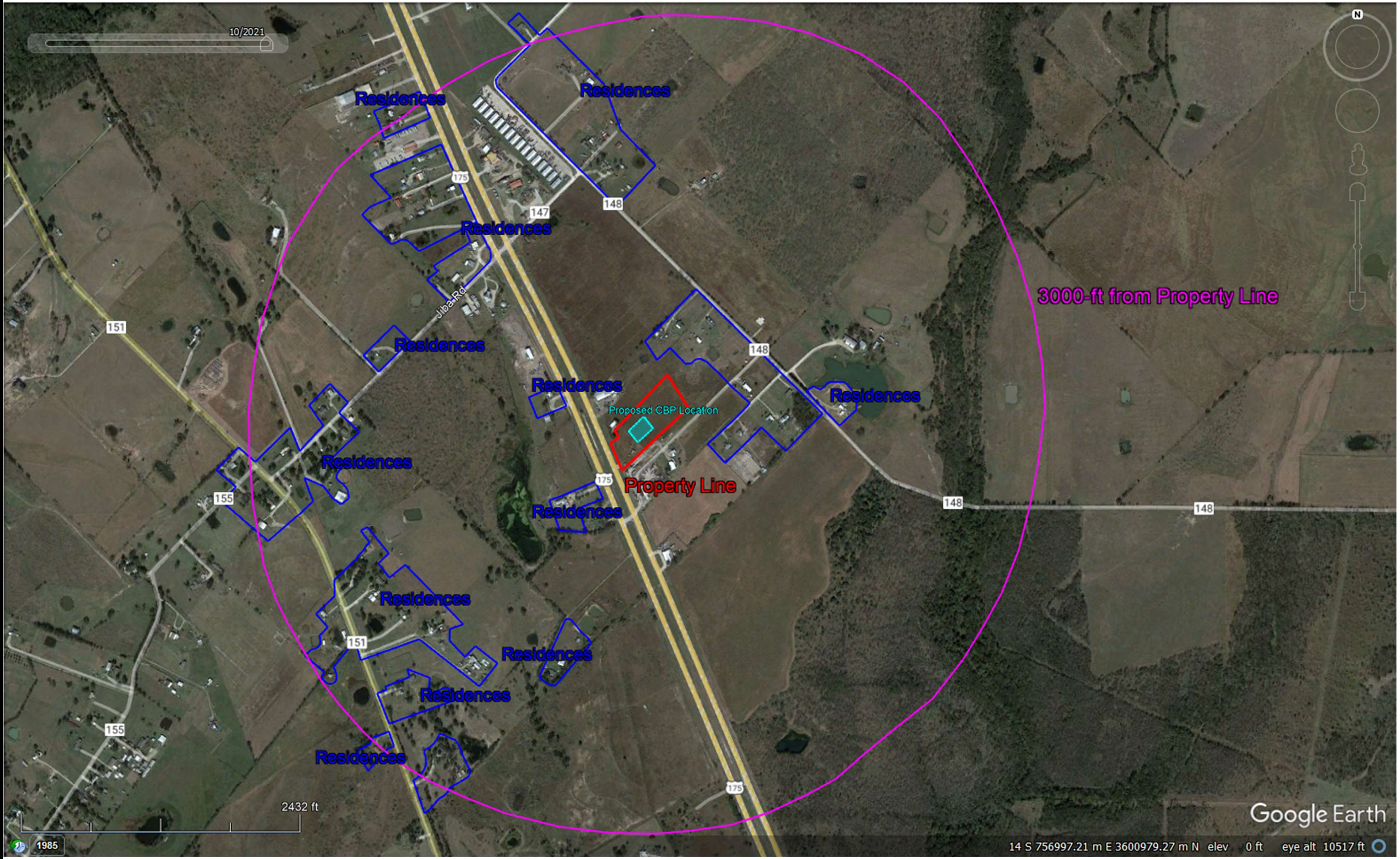
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(713 **)** 974-2272		**( )** -	vgodasi@aarcgroup.com

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:	R&L Concrete LLC	**Job Title:**	Manager	
Name *(In Print):*	Mr. Rolando Suarez		**Phone:**	**(** 786 **)** 768- **9615**
Signature:			**Date:**	

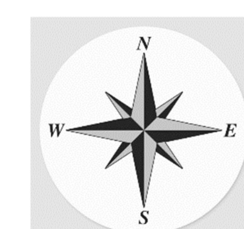
ATTACHMENT VI.C: CURRENT AREA MAP



LEGEND	
	Facility Property Line
	3000-ft from Property Boundary
	Day Cares (None in 3000-ft)
	Schools (None in 3000-ft)
	Churches (None in 3000-ft)
	Residences (multiple in 3000-ft)
	Parks (None in 3000-ft)
	Hospitals (None in 3000-ft)
	Concrete Batch Plant Location (Proposed)

Image Source: Google Earth
Imagery Date: October-2021

0' 500' 1000'
250' 750' 1250'



R&L Concrete LLC

US Highway 175 (32.515611 N -96.266333 W), Kaufman, Texas

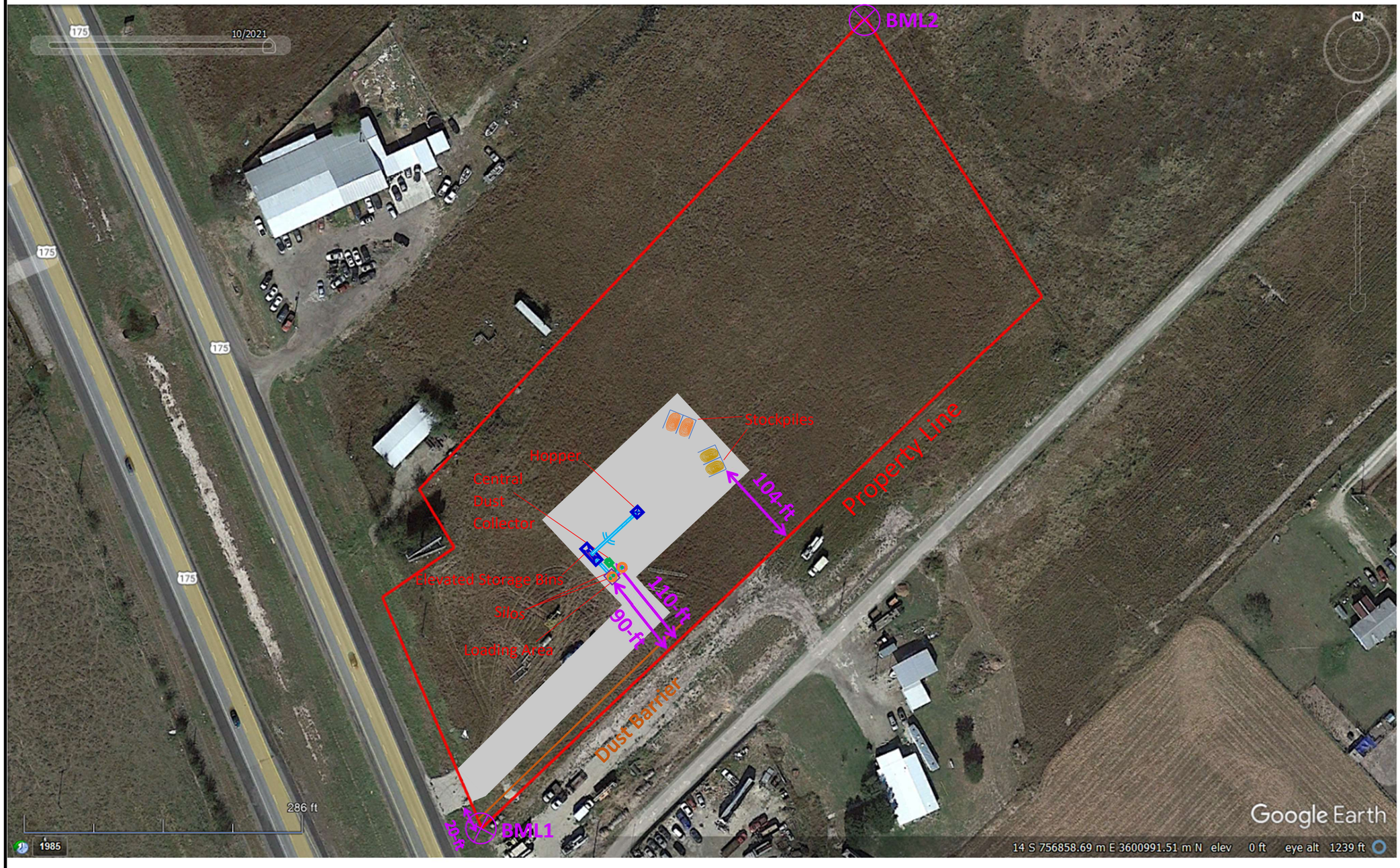
Prepared By: AARC Environmental Inc

Date: 01/16/2023

Drawn By: SB

Title: 3000-ft Area Map for Air Permit

ATTACHMENT VI.D: PLOT PLAN



LEGEND

	Property Line
	Paved Surface
	Buildings
⟷	Distances to Property Lines
BML1	756792.88 m E; 3600865.72 m N
BML2	756906.79 m E; 3601120.79 m N

Emission Sources

Hopper
Elevated Storage Bins
Aggregate Weigh Hopper
Silos
Cement Batcher
Truck Loading Point
Radial Stacker Conveyor
Batch Belt Conveyor
Screw Conveyor
Silos & Batcher Baghouses
Dust Barrier
Central Dust Collector
Stockpiles (in 3-walled bunkers)

Image Source: Google Earth
Imagery Date: October-2021

0’ 50’ 100’
25’ 75’ 125’

N
W E
S

R&L Concrete LLC

US Highway 175 (32.515611 N -96.266333 W), Kaufman, Texas

Prepared By: AARC Environmental Inc

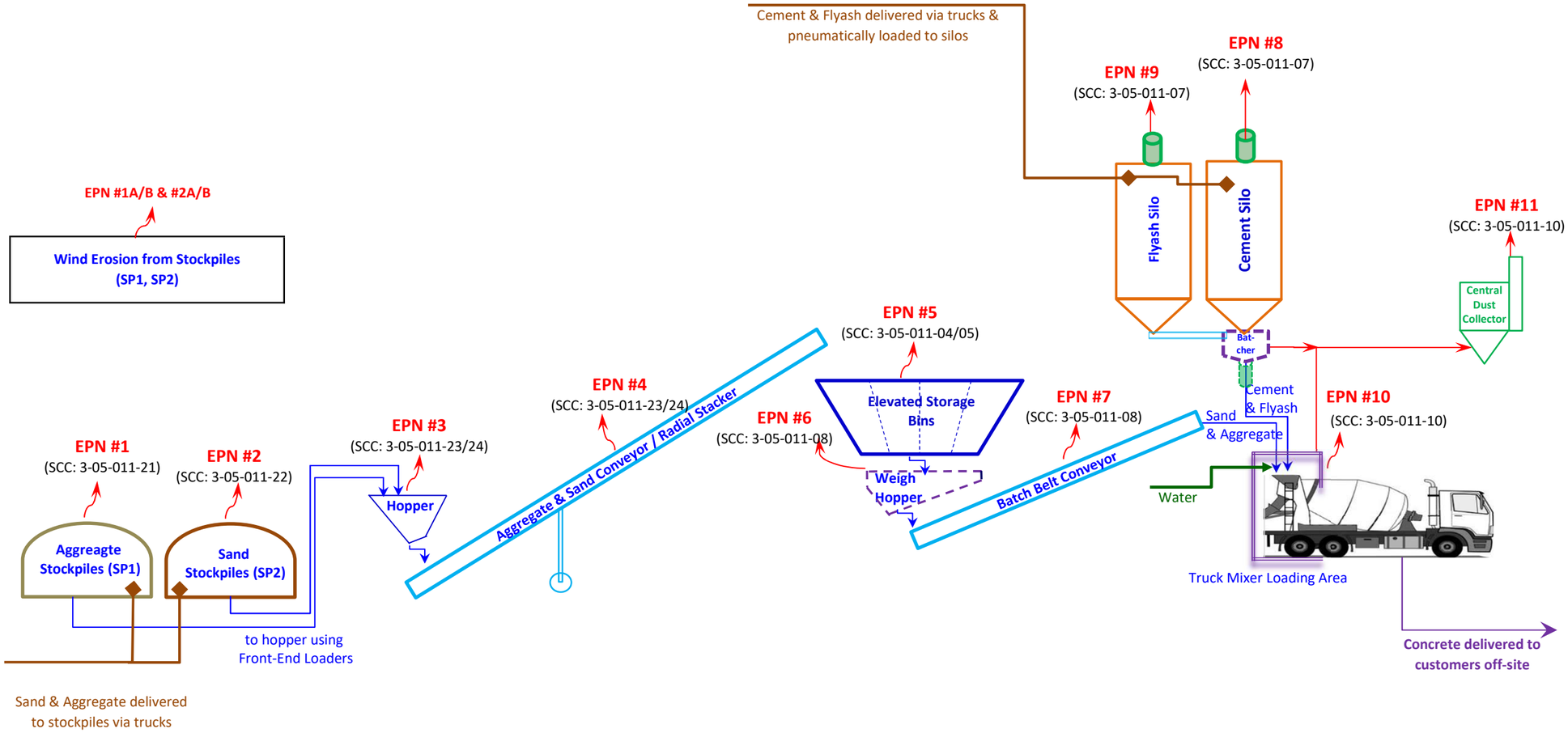
Date: 01/16/2023
Drawn By: SB
Title: Plot Plan for Air Permit

R&L 000034

ATTACHMENT VI.E: PROCESS FLOW DIAGRAM

R&L Concrete LLC - Kaufman, TX

Process Flow Diagram - Concrete Batch Plant Operations



LEGEND	
	Raw Materials Delivery
	Materials Process Line
	Air Emissions (Fugitive)
	Air Emissions (Stack)
	Water
	Product Line

Equipment & Sources List							
	Aggregate Stockpiles		Truck Mixer Loading Areas		Hopper		Central Dust Collector
	Sand Stockpiles		Sand & Aggregate Weigh Hopper		Elevated Storage Bins		Silo Baghouses
	Silos		Cement & Flyash Batcher		Conveyors		Material Drop Sock

AARC Environmental, Inc.

R&L Concrete LLC - Kaufman, TX

TCEQ Air Quality Standard Permit Registration

January, 2023

R&L 000036

ATTACHMENT VI.F: PROCESS DESCRIPTION

R&L Concrete LLC is proposing to construct and operate a permanent concrete batch plant to be located at US Highway 175 (32.515611 N -96.266333 W), Kaufman, Texas. The facility intends to register the concrete batch plant as standard permit under 30 TAC 116, Subchapter F.

The facility will be a permanent concrete batch plant and the maximum production rated capacity of the plant is 90 cubic yards per hour. The maximum operating schedule of the plant will be 24 hours per day, 7 days per week and 52 weeks per year.

PROPOSED CONCRETE BATCH PLANT (EPN #1 - EPN #11)

The concrete will be composed of water, sand, aggregate, flyash, and cement. Sand and aggregate will be brought into the facility via truck and unloaded onto the aggregate & sand stockpiles (SP1 & SP2) (EPN #1 & EPN #2). The sand and aggregate will be loaded to Hopper (EPN #3) which is dropped to Conveyor/Radial Stacker (EPN #4) to be transported to the elevated storage bins (EPN #5). Sand and aggregate from storage bins will be dropped into the weigh hopper (EPN #6). Sand and aggregate from the weigh hopper will be transferred to the concrete truck mixer via batch belt conveyor (EPN #7). Sand and aggregate materials will be prewashed, sprinkled, and handled wet. All sand and aggregate handing at the facility will be considered as material handling operations (EPN #1 thru EPN #7). Emissions from material handling will be fugitives. Cement & Flyash will be brought into the facility via trucks and loaded pneumatically to silos. The facility will have two permanent silos: 1 Cement Silo and 1 Flyash Silo. Each silo will have its own baghouse. Particulate emissions from the silos will be vented to the respective baghouses (EPN #8 and EPN #9). Cement and flyash will be transferred from the silos to the cement batcher. Cement batcher will be vented to central dust collector (EPN #11). Raw materials cement & flyash from the cement batcher and sand & aggregate from weigh hopper are loaded to the truck mixer. Water will be added to the raw material in the truck mixer along with sand, aggregate, cement, and flyash. Emissions from the truck drop point (EPN #10) are captured using three-sided shroud with atleast 5,000 cfm central dust collector (EPN #11). Un-captured emissions at the truck drop point are emitted as fugitives. Additional emissions from stockpiles at the facility (SP1 & SP2) operations due to wind are addressed as additional emissions under stockpiles (SP1 & SP2) (EPN #1 & EPN #2). Water will be sprinkled to suppress the dust emissions from the stockpiles and roads as necessary. The in-plant roads will be paved with concrete or asphalt and the roads will be cleaned regularly.

ATTACHMENT VI.F: MAXIMUM EMISSIONS DATA & CALCULATIONS

Emissions of from the concrete batch plant operations are quantified in this section. The emission sources covered by this permit application are as follows:

Source	EPN	Air Contaminants
Concrete Batch Plant	EPN #1 - EPN #11	PM, PM_{10}, $PM_{2.5}$
Wind Erosions from Stockpiles	EPN #1 & EPN #2	PM, PM_{10}, $PM_{2.5}$

A detailed discussion of the quantification of emission rates is presented below, and a summary of the criteria pollutant emission rates by source is provided in Table – CBP7.

Concrete Batch Plant Operations:

All emissions from concrete batch plant operations are calculated based on "EPA AP-42 Chapter: 11.12 Concrete Batching". Emission factors are obtained from *EPA AP-42 Table 11.12-2.*

Stockpiles:

All stockpiles at the facility are calculated separately as one emission point (EPN #1 & EPN #2). Emissions due to wind erosion from stockpiles are calculated using *EPA AP - 42 Chapters 13.2.4.*

Table - CBP1

R&L Concrete LLC - Kaufman, TX

Summary of Raw Materials & Throughputs

Weight of Concrete (lbs/1 yd^3) ** = 4,024 lbs/yd^3

** from EPA AP - 42 Table 11.12.2

Throughputs	CBP-1	Units
Maximum Hourly Concrete Production (yd^3/hr) =	90	yd^3/hr
Maximum Hourly Concrete Production (tons/hr) =	181	tons/hr
Maximum Hourly Concrete Production (lbs/hr) =	3,62,160	lbs/hr
Maximum Annual Operating Hours (hrs/yr) =	8,760	hrs/yr
Maximum Annual Concrete Production (yd^3/yr) =	7,88,400	yd^3/yr
Maximum Annual Concrete Production (tons/yr) =	15,86,261	tons/yr

Concrete Raw Material **	1yd^3 of Concrete (lbs/yd^3)	CBP-1	
		Hourly Throughput (tons/hr)	Annual Throughput (tons/yr)
Aggregate	1,865	83.9	7,35,183
Sand	1,428	64.3	5,62,918
Cement	491	22.1	1,93,552
Flyash	73	3.3	28,777
Water	167	7.5	65,831
Total	**4,024**	**181.1**	**15,86,261**

Table - CBP2

R&L Concrete LLC - Kaufman, TX

Emissions from Aggregate & Sand Transfer Points - (Material Handling) : EPN #1, EPN #2, EPN #3, EPN #4 and EPN #5

Parameters: CBP-1	Aggregate	Sand	Information Source
Hourly Flow Rate (tons/hr)	83.9	64.3	Based on maximumrated capacity of plant
Annual Flow Rate (tons/yr)	7,35,183	5,62,918	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Number of Transfer points	4	4	1-Truck to Stockpiles; 2-Stockpiles to Hopper; 3-Hopper to Conveyor; 4-Conveyor to Storage Bin
Emission Control Factor (%)	95%	95%	Washed Materials

Aggregate - Truck to Stockpiles, Stockpiles to Hopper, Hopper to Conveyor & Conveyor to Storage Bins (SCC: 3-05-011-21, -23 & -04): EPN #1, #3, #4 & #5						
Pollutant	Hourly Loading H_L (ton/hr)	Emissions Factor F (lb/ton)	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L * F * C$ (lbs/hr)	AnnualLoading A_L (ton/yr)	Annual Emission $A_{ER} = A_L * F * C/2000$ (tpy)
PM	83.9	0.0069	5%	**0.0290**	7,35,183	**0.1268**
PM-10	83.9	0.0033	5%	**0.0138**	7,35,183	**0.0607**
PM-2.5	83.9	0.0005	5%	**0.0021**	7,35,183	**0.0092**

Sand - Truck to Stockpiles, Stockpiles to Hopper, Hopper to Conveyor & Conveyor to Storage Bins (SCC: 3-05-011-22, -24 & -05): EPN #2, #3, #4 & #5						
Pollutant	Hourly Loading H_L (ton/hr)	Emissions Factor F (lb/ton)	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L * F * C$ (lbs/hr)	Annual Loading A_L (ton/yr)	Annual Emission $A_{ER} = A_L * F * C/2000$ (tpy)
PM	64.3	0.0021	5%	**0.0067**	5,62,918	**0.0296**
PM-10	64.3	0.00099	5%	**0.0032**	5,62,918	**0.0139**
PM-2.5	64.3	0.00015	5%	**0.0005**	5,62,918	**0.0021**

Notes: Emission factors are from EPA AP-42 Table 11.12-2

PM-2.5 Emission Factors are derived based EPA AP-42 Table 11.12-2 Footnote "b" & EPA AP-42 Chapter 13.2.4

Table - CBP3

R&L Concrete LLC - Kaufman, TX

Emissions from Weigh Hopper Loading & Batch Belt Conveyor - (Material Handling) : EPN #6 &EPN #7

Parameters: CBP-1	Aggregate	Sand	Aggregate + Sand	Information Source
Hourly Flow Rate (tons/hr)	83.9	64.3	148.2	Based on maximumrated capacity of plant
Annual Flow Rate (tons/yr)	7,35,183	5,62,918	12,98,101	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Number of Transfer points	-	-	2	1-Weigh Hopper; 2-Batch Belt Conveyor
Emission Control Factor (%)	95%	95%	95%	Washed Materials

Weigh Hopper & Batch Belt Conveyor Loading of Sand & Aggregate (SCC: 3-05-011-08): EPN #6 & #7						
Pollutant	Hourly Loading H_L (ton/hr)	Emissions Factor F (lb/ton)	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L * F * C$ (lbs/hr)	Annual Loading A_L (ton/yr)	Annual Emission $A_{ER} = A_L * F * C / 2000$ (tpy)
PM	148.2	0.0048	5%	**0.0356**	12,98,101	**0.1558**
PM -10	148.2	0.0028	5%	**0.0207**	12,98,101	**0.0909**
PM-2.5	148.2	0.00042	5%	**0.0031**	12,98,101	**0.0138**

Notes: Emission factors are from EPA AP-42 Table 11.12-2

PM-2.5 Emission Factors are derived based EPA AP-42 Table 11.12-2 Footnote "b" & EPA AP-42 Chapter 13.2.4

Table - CBP4

R&L Concrete LLC - Kaufman, TX

Emissions from Cement Silo & Flyash Silo Baghouses : EPN #8 & EPN #9

Parameters: CBP-1	Cement Silo	Flyash Silo	Information Source
Hourly Flow Rate (tons/hr)	50	50	Based on maximum capacity of delivery trucks
Annual Flow Rate (tons/yr)	1,93,552	28,777	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Emission Control Factor (%)	99.99%	99.99%	connected to Silo Baghouses
Number of Silos	1	1	1 Cement Silo & 1 Flyash Silo

Cement Loading to Cement Silo (SCC: 3-05-011-07): EPN #8

Pollutant	Hourly Loading H_L (ton/hr)	Emissions Factor F (lb/ton)	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L * F * C$ (lbs/hr)	Annual Loading A_L (ton/yr)	Annual Emission $A_{ER} = A_L * F * C / 2000$ (tpy)
PM	50	0.73	0.01%	**0.0036**	1,93,552	**0.0071**
PM-10	50	0.47	0.01%	**0.0023**	1,93,552	**0.0045**
PM-2.5	50	0.08	0.01%	**0.0004**	1,93,552	**0.0008**

Flyash Loading to Flyash Silo (SCC: 3-05-011-17): EPN #9

Pollutant	Hourly Loading H_L (ton/hr)	Emissions Factor F (lb/ton)	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L * F * C$ (lbs/hr)	Annual Loading A_L (ton/yr)	Annual Emission $A_{ER} = A_L * F * C / 2000$ (tpy)
PM	50	3.14	0.01%	**0.0157**	28,777	**0.0045**
PM-10	50	1.10	0.01%	**0.0055**	28,777	**0.0016**
PM-2.5	50	0.19	0.01%	**0.0009**	28,777	**0.0003**

Notes: Emission factors are from EPA AP-42 Table 11.12-2

PM-2.5 Emission Factors are derived based on 17.1% of respective PM-10 Emission Factors.

Table - CBP5

R&L Concrete LLC - Kaufman, TX

Emissions from Truck Mixer Loading & Central Dust Collector : EPN #10 & EPN #11

Parameters: CBP-1	Cement + Flyash	Information Source
Hourly Flow Rate (tons/hr)	25.4	Based on maximumrated capacity of plant
Annual Flow Rate (tons/yr)	2,22,329	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Emission Capture Efficiency (%)	97.30%	Capture Efficiency: Default [atleast 5,000 cfm Central dust collector]
Emission Control Factor (%)	99.99%	Central Dust Collector Efficiency

Emissions from Truck Mixer Loading (SCC: 3-05-011-10): EPN #10

Pollutant	Hourly Loading H_L (tons/hr)	Emissions Factor F (lb/ton)	(1- Capture Efficiency) $(1 - C_{CAP})$ %	Hourly Emissions $H_{ER} = H_L*F*(1-C_{CAP})$ (lbs/hr)	Annual Loading A_L (tons/yr)	Annual Emission $A_{ER}= A_L*F*(1-C_{CAP})/2000$ (tpy)
PM	25.4	1.118	2.70%	**0.7661**	2,22,329	**3.3556**
PM-10	25.4	0.310	2.70%	**0.2124**	2,22,329	**0.9304**
PM-2.5	25.4	0.053	2.70%	**0.0363**	2,22,329	**0.1591**

Emissions from Central Dust Collector (SCC: 3-05-011-10): EPN #11

Pollutant	Hourly Loading H_L (tons/hr)	Emissions Factor F (lb/ton)	Capture Efficiency C_{CAP} %	(1- Control Factor) C %	Hourly Emissions $H_{ER} = H_L*F*C_{CAP}*C$ (lbs/hr)	Annual Loading A_L (tons/yr)	Annual Emission $A_{ER} = A_L*F*C_{CAP}*C/2000$ (tpy)
PM	25.4	1.118	97.30%	0.01%	**0.0028**	2,22,329	**0.0121**
PM-10	25.4	0.310	97.30%	0.01%	**0.0008**	2,22,329	**0.0034**
PM-2.5	25.4	0.053	97.30%	0.01%	**0.0001**	2,22,329	**0.0006**

Notes: Emission factors are from EPA AP-42 Table 11.12-2

PM-2.5 Emission Factors are derived based on 17.1% of respective PM-10 Emission Factors.

Table - CBP6

R&L Concrete LLC - Kaufman, TX

Emissions from Stockpiles (SP1 & SP2) : EPN #1 & #2

Parameters: CBP-1	Data	Units	Information Source
Stockpiles Active Area	1.00	acres	Based on maximum area at the site for stockpiles
Number of Active Days (N_{AD})	365	days/yr	Based on 8760 hrs/yr of operations
Control Factor	98.50%	%	Washed Materials with water spray

Emissions from Stockpiles: EPN #1 & #2							
Pollutant	Stockpile Area A_{SP} (acres)	Control Factor C %	Inactive Days Emissions Factor F_{ID} (lb/acre/day)	Inactive Days Annual Emission $E_{ID}=A_{SP}*F_{ID}*(365-N_{AD})*C/2000$ (tpy)	Active Days Emissions Factor F_{AD} (lb/acre/day)	Active Days Annual Emission $E_{AD}=A_{SP}*F_{AD}*N_{AD}*C/2000$ (tpy)	Total Annual Emission $A_{ER} = E_{ID} + E_{AD}$ (tpy)
PM	1.00	98.50%	3.50	**0**	13.20	**0.0361**	**0.0361**
PM-10	1.00	98.50%	1.75	**0**	6.60	**0.0181**	**0.0181**
PM-2.5	1.00	98.50%	0.26	**0**	0.99	**0.0027**	**0.0027**

Notes:

Emission factors for PM (active & inactive days) are from EPA Document Number EPA-450/3-74-037 Table 27

PM-10 Emission Factors are derived based on 50% of respective PM Emission Factors (derived based EPA AP-42 Chapter 13.2.4)

PM-2.5 Emission Factors are derived based on 15% of respective PM-10 Emission Factors (derived based EPA AP-42 Chapter 13.2.4)

Table - CBP7

R&L Concrete LLC - Kaufman, TX

Summary of Emissions from the Site - (EPN #1 - EPN #12)

EPN #	Source Name	Hourly Emissions (lbs/hr)			Annual Emissions (tpy)		
		PM	PM-10	PM-2.5	PM	PM-10	PM-2.5
1	Aggregate from Trucks to Stockpiles	0.0290	0.0138	0.0021	0.1268	0.0607	0.0092
2	Sand from Trucks to Stockpiles	0.0067	0.0032	0.0005	0.0296	0.0139	0.0021
3	Sand & Aggregate from Stockpile to Hopper	0.0357	0.0170	0.0026	0.1564	0.0746	0.0113
4	Sand & Aggregate from Hopper to Conveyor	0.0357	0.0170	0.0026	0.1564	0.0746	0.0113
5	Sand & Aggregate from Conveyor to Storage Bins	0.0357	0.0170	0.0026	0.1564	0.0746	0.0113
6	Sand & Aggregate from Storage Bins to Weigh Hopper	0.0356	0.0207	0.0031	0.1558	0.0909	0.0138
7	Sand & Agg. from Weigh Hopper to Batch Belt Conveyor	0.0356	0.0207	0.0031	0.1558	0.0909	0.0138
8	Cement Silo Baghouse	0.0036	0.0023	0.0004	0.0071	0.0045	0.0008
9	Flyash Silo Baghouse	0.0157	0.0055	0.0009	0.0045	0.0016	0.0003
10	Truck Mixer Loading (Fugitives)	0.7661	0.2124	0.0363	3.3556	0.9304	0.1591
11	Central Dust Collector	0.0028	0.0008	0.0001	0.0121	0.0034	0.0006
1 & 2	Stockpiles (SP1 & SP2)	0.0083	0.0041	0.0006	0.0361	0.0181	0.0027
Total Emissions		**1.01**	**0.33**	**0.06**	**4.35**	**1.44**	**0.24**

Notes:

*** Hourly Emissions from stockpiles were calculated using annual emissions and 8760 operating hours in a year

ATTACHMENT VI.G: FILTER SYSTEM DETAILS

Table - CBP8

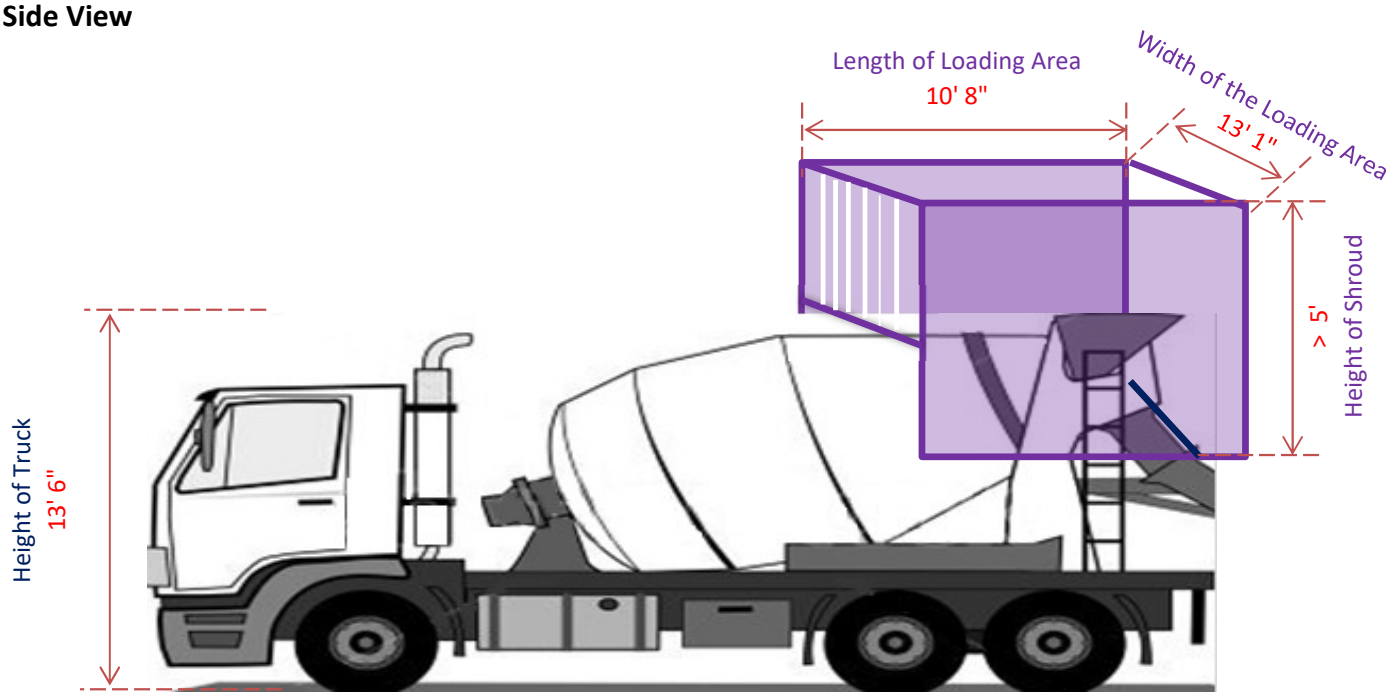
R&L Concrete LLC - Kaufman, TX

Schematic Diagram of Truck Mixer Loading Area (EPN #10)

Loading Area is intended to be covered on three sides (sides and back side) with fixed shroud (metal sheet / rubber sheet)
Loading Area is intended to be covered on 4th side (front side - where truck backs) with flexible curtain (plastic strips / rubber strips)
Loading Area is completely covered on Top side with fixed sheet with material drop point outlets & dust collector intakes

All dimensions are approximate

Side View



Top View

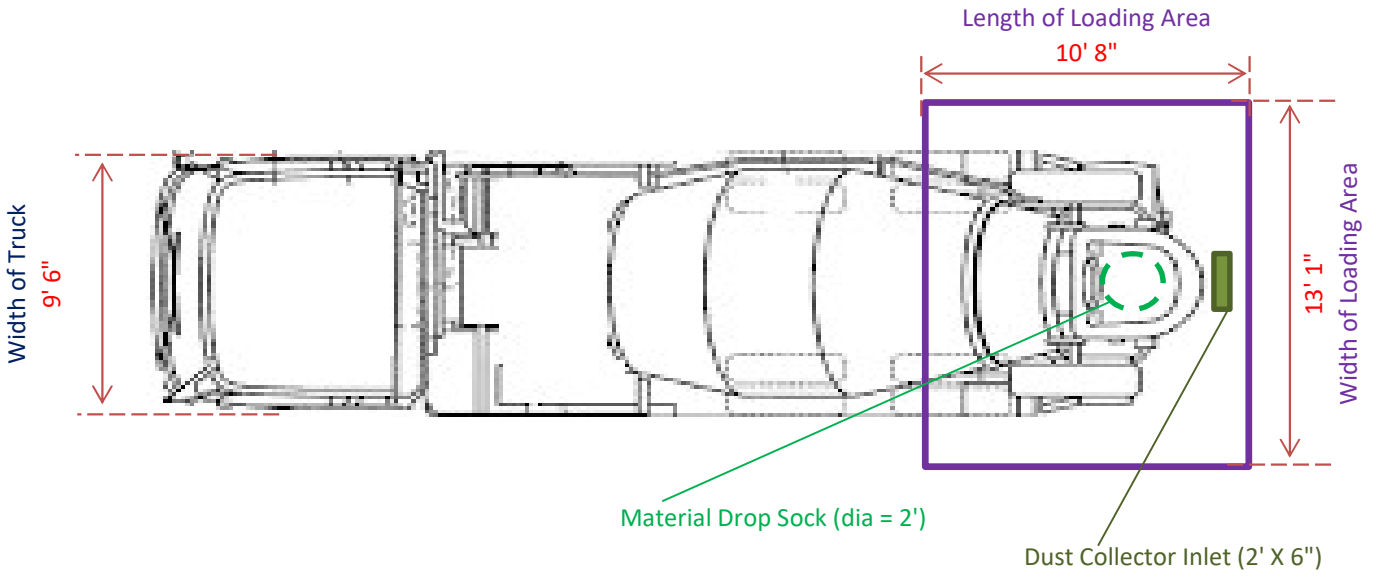
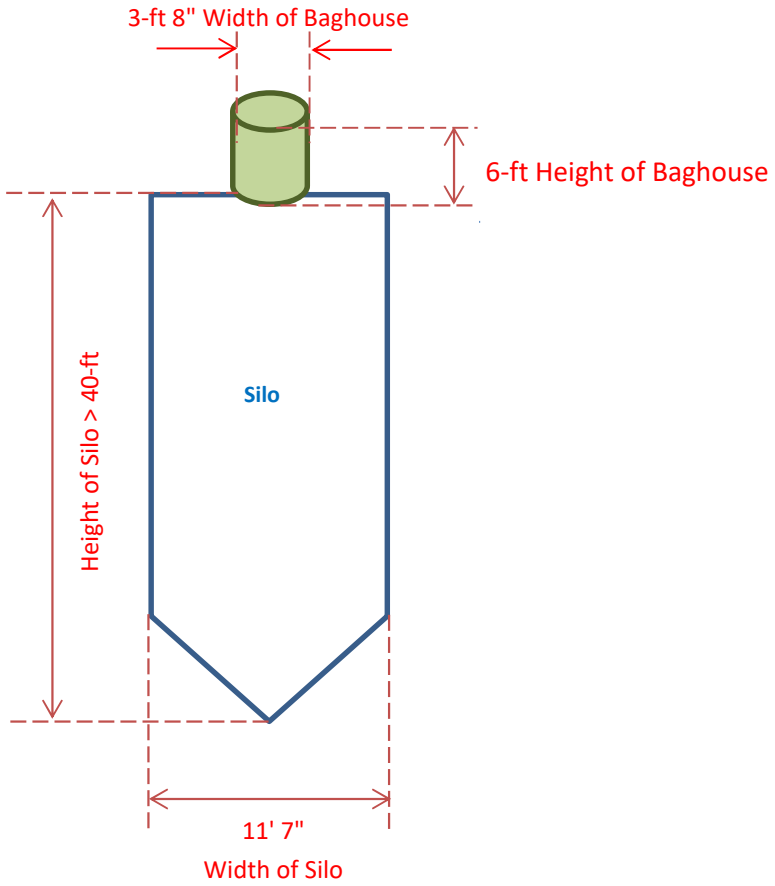


Table - CBP9

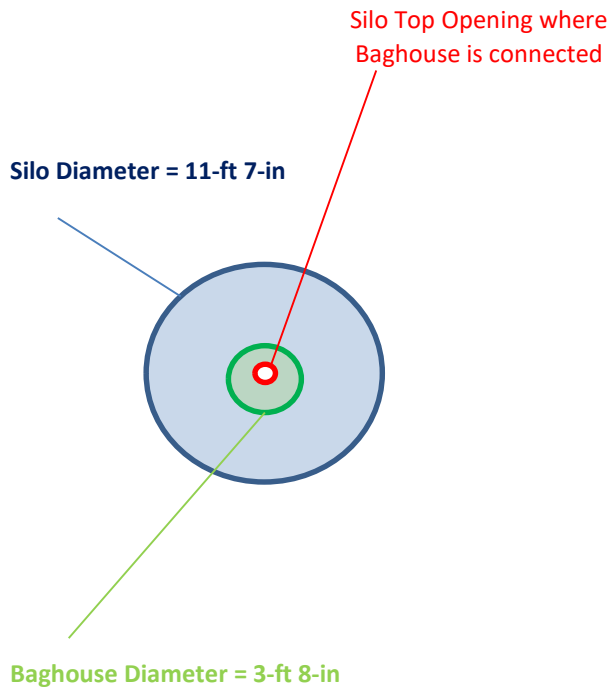
R&L Concrete LLC - Kaufman, TX

Schematic Diagram of Cement & Flyash Silos Baghouses (EPN # 8, #9)

Side View



Top View



MODEL JP "JET PULSE"
CENTRAL DUST COLLECTORS

SPECIFICATIONS
Jet-Pulse Dust Collector

Model	Cloth Area (Sq. Ft.)	No. of Bags	ACFM	Blower H.P.	A/C Ratio
VH-700JP	700	64	4,900	7.5	7:1
VH-730JP	730	64	5,100	10	7:1
VH-1083JP	1083	99	6,500	15	6:1
VH-1094JP	1094	100	6,500	15	6:1
VH-1203JP	1203	110	7,200	15	6:1
VH-1432JP	1423	130	8,500	25	6:1

Hagan Jet-Pulse Filter Bag

Efficiency	99.9% At 1 Microns
Cloth Type	Polyester Felt
Cloth Weave	Polyester .065 (Nom)
Permeability	25 to 45 CFM/Sq. Ft. @ /.5 w.g.
Bag Weight	15.5 ± 1 Oz./Sq. Ft.
Construction	Needle punched self supported
Bag Length	84"
Bag Diameter	6"

Specifications
Model VH-245JP

Cloth Filtering Area	245 Sq. Ft.
Number of Cartridges	7
Cartridge Diameter	8.00" O.D.
Cartridge Length	36"
Cloth Type	Spun-Bound Polyester
Cloth Weight	7.7 Oz./Sq. Yd.
Permeability	20 CFM/Sq. Ft. @ 0.5" Water
Temperature Limit	200 Deg. F.
Air Volume Intake	600 CFM@ 0.5" Water
Exhaust Opening Size	0.24 Sq. Ft.
Efficiency	99.9% At 1 Microns

MADE IN THE U.S.A

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