AARC ENVIRONMENTAL, INC.

Environmental,
Occupational Health &
Safety Solutions

AIR QUALITY STANDARD PERMIT APPLICATION
A & W INDUSTRIES, INC.
GRAPEVINE, TX

OCTOBER 2020

Prepared for:
A & W Industries, Inc.
817 Dawn Lane,
Grapevine, TX 76051

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

AARC Project No: 4-E-2516-91-2

TABLE OF CONTENTS

INTRODUCTION

A & W Industries, Inc., is currently operating pre-cast concrete batch plant located at 817 Dawn Lane, Grapevine, TX. The facility is permitted under TCEQ Permit # 1863 (initially permitted in 08/24/1989), the facility received NOV for not having sand and aggregates in hopper controlled with dust collector (as originally permitted). The facility is proposing to register under TCEQ standard permit for specialty batch plants. The facility intends to register the specialty precast concrete batch plant as standard permit under 30 TAC 116, Subchapter F.

This application format corresponds to the excel workbook PI-1S-CBP (Registrations for Air Standard Permit – Concrete Batch Plants) from TCEQ

FORM PI-1S-CBP

Form PI-1S-CBP (Version 2.0) – 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 - 10	
6004 Checklist	11 - 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 -21	
Fees	22	
Copies	23	Not Included – Instructions for submission
6004 Requirements	24-28	
6008 Requirements	29-30	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.
2. An original signature on this sheet is required. Submit a hard copy of this worksheet with the original signature.

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:	A & W Industries, Inc.

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):	120696500

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

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Bill
Last Name:	Eaton
Title:	Vice President of Operations
Mailing Address:	P.O. Box 130
Address Line 2:	
City:	Grapevine
State:	TX
ZIP Code:	76099
Telephone Number:	817-481-3577
Fax Number:	
Email Address:	beaton@wilbertntx.com

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

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

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:	7-7042
Telephone Number:	713-974-2272
Fax Number:	
Email Address:	vgodasi@aarcgroup.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.

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.	CN602688913
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.	RN100739952

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?	Yes
If "YES," list the permit numbers.	Permit # 1863; Requesting to void upon approval of this standard permit registration

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

A. Location	
County: Enter the county where the facility is physically located.	Tarrant
TCEQ Region	Region 4
Street Address:	817 Dawn Lane
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.	Grapevine
ZIP Code: Include the ZIP Code of the physical facility site, not the ZIP Code of the applicant's mailing address.	76051
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.	817 Dawn Lane
Use USGS maps, county maps prepared by the Texas Department of Transportation, or an online software application such as Google Earth to find the latitude and longitude.	
Latitude (in degrees, minutes, and nearest second (DDD:MM:SS)) for the street address or the destination point of the driving directions. Latitude is the angular distance of a location north of the equator and will always be between 25 and 37 degrees north (N) in Texas.	032:56:03
Longitude (in degrees, minutes, and nearest second (DDD:MM:SS)) for the street address or the destination point of the driving directions. Longitude is the angular distance of a location west of the prime meridian and will always be between 93 and 107 degrees west (W) in Texas.	097:04:03
B. General Information	
Facility Name:	Wilbert of North Texas
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.	Pre-cast concrete batch plant (PCP1)
Are there any schools located within 3,000 feet of the site boundary?	Yes
C. Type of Plant	
Type of plant	Specialty
Note: A temporary plant is limited to 180 consecutive days on site or for the duration required to complete a single project.	
Length of time at site (days)	3650

Provide single project name and any identifying project numbers (for example, indicate TXDOT project name)	N/A
Serial number of the equipment to be authorized, if applicable:	PCP1
Serial number of the equipment to be authorized, if applicable:	

D. Industry Type

Principal Company Product/Business:	Precast concrete products
Principal SIC code:	3272: Concrete Products, Except Block and Brick

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 Jane Nelson
District:	Senate District 12
State Representative:	Representative Giovanni Capriglione
District:	House District 98

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:	County Judge B. Glen Whitley
Mailing Address:	100 East Weatherford Street
Address Line 2:	
City:	Fort Worth
State:	TX
ZIP Code:	76196
Is the facility located in any municipality or an extraterritorial jurisdiction of any municipality?	Yes

If so, provide the information for the Presiding Officer(s) of the municipality. This is frequently the Mayor. An attachment may be used for multiple.

First Name:	William
Last Name:	Tate
Title:	Mayor - City of Grapevine
Mailing Address:	200 S. Main Street
Address Line 2:	
City:	Grapevine
State:	TX
ZIP Code:	76051

V. Project Information

A. Description

Provide a brief description of the project that is requested. (Limited to 500 characters).	The facility is permitted under TCEQ Permit # 1863 (initially permitted in 08/24/1989), the facility received NOV for not having sand and aggregates in hopper controlled with dust collector (as originally permitted). The facility is proposing to register under TCEQ standard permit for specialty batch plants. The facility intends to register the specialty precast 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?	Yes
If yes, did you attach copies of any correspondence from the agency and provide the RN associated with the 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
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

VII. Signature

The owner or operator of the facility must apply for authority to construct. The appropriate company official (owner, plant manager, president, vice president, or environmental director) must sign all copies of the application. The applicant's consultant cannot sign the application. **Important Note: Signatures must be original in ink, not reproduced by photocopy, fax, or other means, and must be received before any permit is issued.**

The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code, Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name:	Mr. BILL EATON; Vice President of Operations
Signature:	
Original signature is required unless submitted through STEERS.	
Date:	

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
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

VII. Signature

The owner or operator of the facility must apply for authority to construct. The appropriate company official (owner, plant manager, president, vice president, or environmental director) must sign all copies of the application. The applicant's consultant cannot sign the application. **Important Note: Signatures must be original in ink, not reproduced by photocopy, fax, or other means, and must be received before any permit is issued.**

The signature below confirms that I have knowledge of the facts included in this application and that these facts are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7; the Texas Health and Safety Code, Chapter 382, the Texas Clean Air Act (TCAA) the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name:	Mr. BILL EATON; Vice President of Operations
Signature:	Bill Eaton
	Original signature is required unless submitted through STEERS.
Date:	October 2, 2020

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	Specialty
Type of operation	Central 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.	Comply with 10(B)	
	Select second method, if applicable.		
	Select third 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 (%)?	99.5	
(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	

(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.	Watering	
	Select the second control method, if applicable.		
	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?	No	
(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	

Section 10: Additional Requirements for Specialty Concrete Batch Plants			
(10)(A)	How many cubic yards per hour will be produced by this plant?	30	
(10)(B)	As an alternative to the requirement in subsection (5)(A) of this standard permit, will the cement/fly ash weigh hopper be vented inside the batch mixer?	Yes	
(10)(C)(i)-(iii)	How will dust emissions at the batch mixer feed or drop point be controlled? More than one may be selected using the following rows.	Enclosed batch mixer feed	
	Select the second control method, if applicable.	Enclosed batch mixer feed	
	Select the third control method, if applicable.		
(10)(D)	How far from the nearest property line are any vehicles used for the operation of the concrete batch plant (feet)? (Excluding incidental traffic and the entrance and exit of the site.)	58	
(10)(E)(ii)	Optional: What will be the height of the constructed borders? (feet)	8	

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	Central mix
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)	0.1
Indicate where water sprays will be used, if applicable	Convey or transfer points
Additional location for water sprays, if applicable	Stockpiles
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?	1

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	**3**
Manufacturer	Southern Equipment
Model Number	SDC-160
List the sources being controlled	Cement Silo
Type of particulate controlled	PM/PM10/PM2.5, cement dust
Design maximum flow rate (acfm)	
Average expected flow rate (acfm)	
Particulate grain loading (grain/scf) - inlet	
Particulate grain loading (grain/scf) - outlet	

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:	Bill
Last Name:	Eaton
Title:	Vice President of Operations
Company Name:	A & W Industries, Inc.
Mailing Address:	P. O. Box 130
Address Line 2:	
City:	Grapevine
State:	TX
ZIP Code:	76099
Telephone Number:	817-481-3577
Fax Number:	
Email Address:	beaton@wilbertntx.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.

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

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:	Grapevine Public Library
Physical Address:	1201 Municipal Way
Address Line 2:	
City:	Grapevine
ZIP Code:	76051
County:	Tarrant
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.	

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.

Fees may be paid by check, money order, or through ePay. 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?	No
Enter the fee amount	$ 900.00
Enter the check, money order, ePay Voucher, or other transaction number.	Check # 60485
Enter the company name as it appears on the check	Wilbert of North Texas

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 December 21, 2012

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.

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 December 21, 2012, all new and modified sources must comply with this standard permit.

F Renewals shall comply with this standard permit on the later of:
- (i) December 21, 2014; 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.

3 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 Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ 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 602688913		RN 100739952

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:*

A & W Industries, Inc.

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (*if applicable*)
0120696500	17523965261		

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ 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 ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:

P. O. Box 130

City	State	ZIP	ZIP + 4
Grapevine	TX	76099	4116

16. Country Mailing Information (*if outside USA*)	17. E-Mail Address (*if applicable*)
	beaton@wilbertntx.com

18. Telephone Number	19. Extension or Code	20. Fax Number (*if applicable*)
(817) 481-3577		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*)

☐ 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 Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (*Enter name of the site where the regulated action is taking place.*)

Wilbert of North Texas - PCP1

23. Street Address of the Regulated Entity: *(No PO Boxes)*	817 Dawn Lane							
	City	Grapevine	**State**	TX	**ZIP**	76051	**ZIP + 4**	4116
24. County	Tarrant							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	817 Dawn Lane

26. Nearest City	**State**	**Nearest ZIP Code**
Grapevine	TX	76051

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
32	56	03	97	04	03

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)
3272		327390	

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

Concrete Products

34. Mailing Address:	**P. O. Box 130**							
	City	**Grapevine**	**State**	**TX**	**ZIP**	**76099**	**ZIP + 4**	

35. E-Mail Address:	**beaton@wilbertntx.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(817) 481-3577		**( ) -**

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 1863	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

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

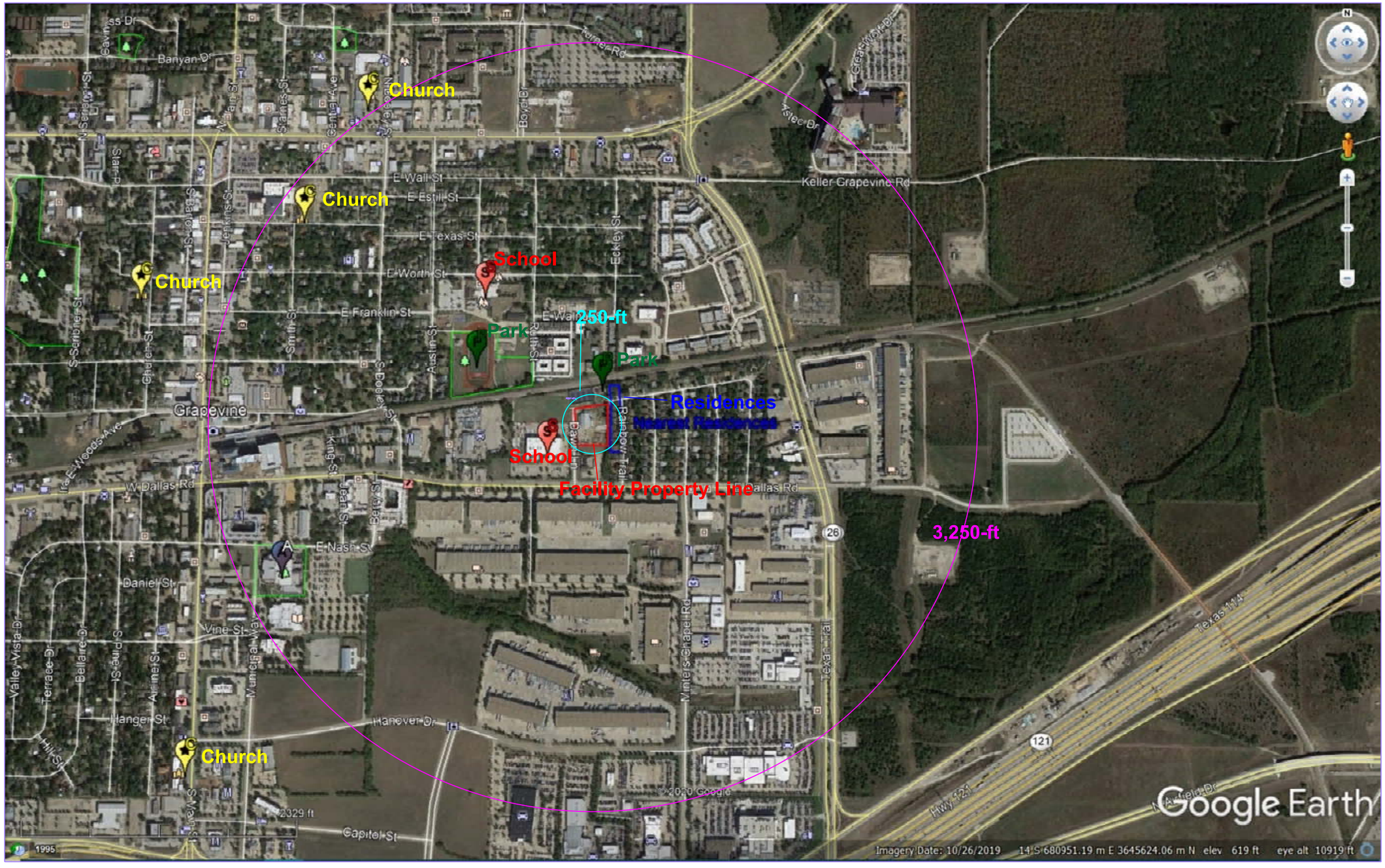
42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(713) 974-2272		( ) -	vgodasi@aarcgroup.com

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:	A & W Industries, Inc.	**Job Title:**	Vice President of Operations
Name *(In Print):*	Mr. BILL EATON	**Phone:**	(817) 481- **3577**
Signature:		**Date:**	

ATTACHMENT VI.C: CURRENT AREA MAP



LEGEND

- Facility Property Line
- Circle Enclosing Facility - 250-ft
- Circle from Center of the Facility - 3,250-ft
- Nearest Residences
- S Schools
- P Parks
- C Church
- A Activity Center

Image Source: Google Earth
Imagery Date: 10/26/2019

Lat: 32° 56' 02" N
Long: 97° 04' 02" W

0' 250' 1,000'
500'

A & W Industries DBA Wilbert of North Texas

827 Dawn Lane

Grapevine, TX 76051

Prepared By:

AARC Environmental, Inc.
Environmental, Occupational Health & Safety Solutions

Date: 08/28/2020

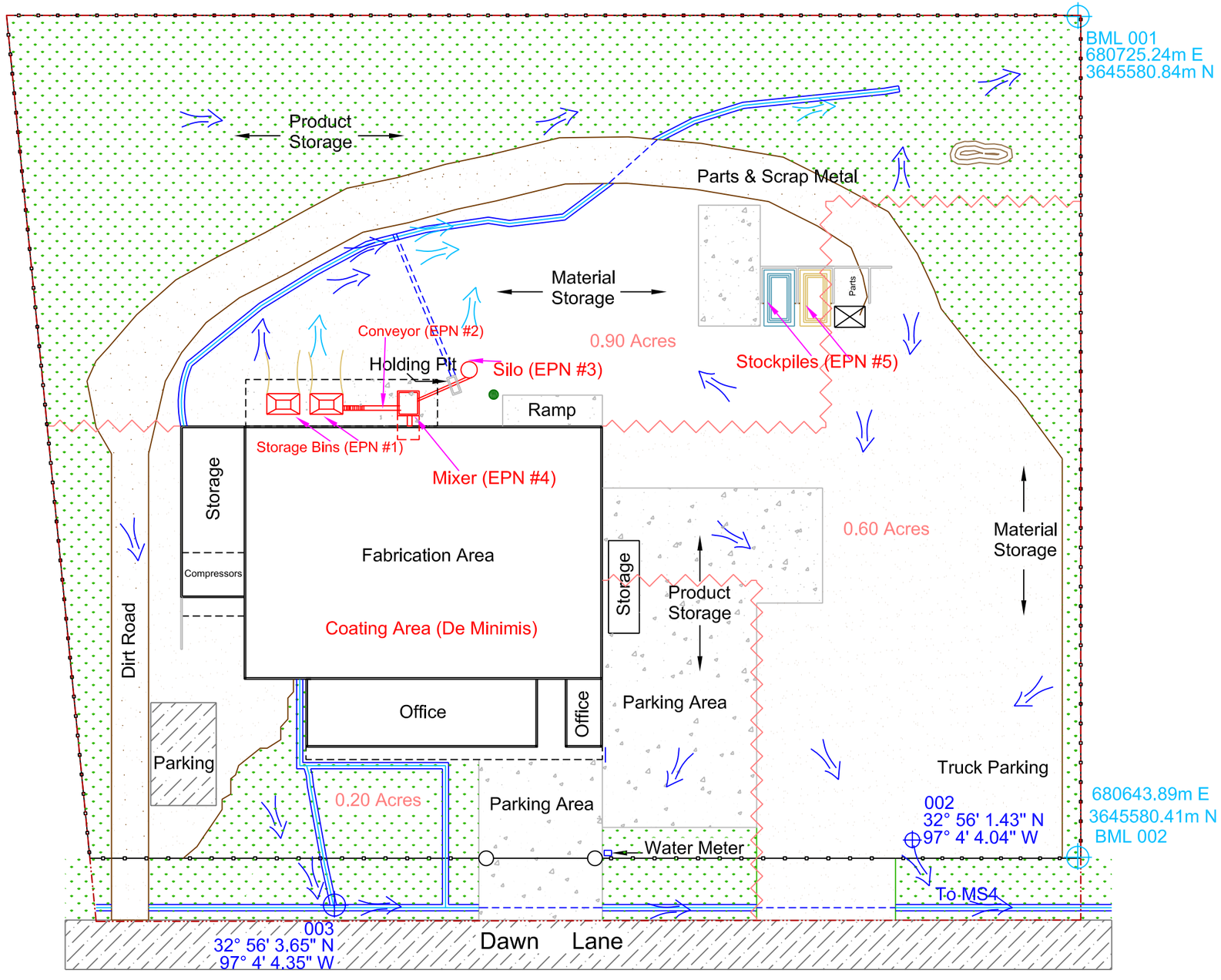
Visit By: VG

Revision: N/A

Drawn By: VG

Dwg.Type: Area Map

ATTACHMENT VI.D: PLOT PLAN



LEGEND

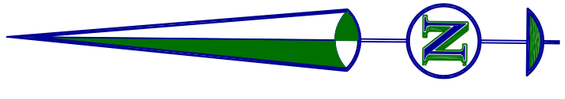
	Debris Pile
	Gravel Pile (EPN #5)
	Sand Pile (EPN $5)
	Bench Mark Locations
	Sampling Storm Water Outfalls 002 & 003
	Storm Water Runoff
	Waste Water Runoff
	Property Line
	Fence
	Gate
	Underground Culvert
	Concrete
	Asphalt
	Dirt
	Grass
	Dumpster
	Silo (EPN #3)
	Storage Bins (EPN #1)
	Conveyor (EPN #2)
	Mixer (EPN #4)
	Ditch

NOTES:
Receiving body of water: Cottonwood Branch

Lat: 32° 56' 2.39" N
Long: 97° 4' 2.67" W

Approx. 2.00 Acres

0' 20' 80'
40'



A & W Industries DBA Wilbert of North Texas
827 Dawn Lane
Grapevine, TX 76051

Prepared By:

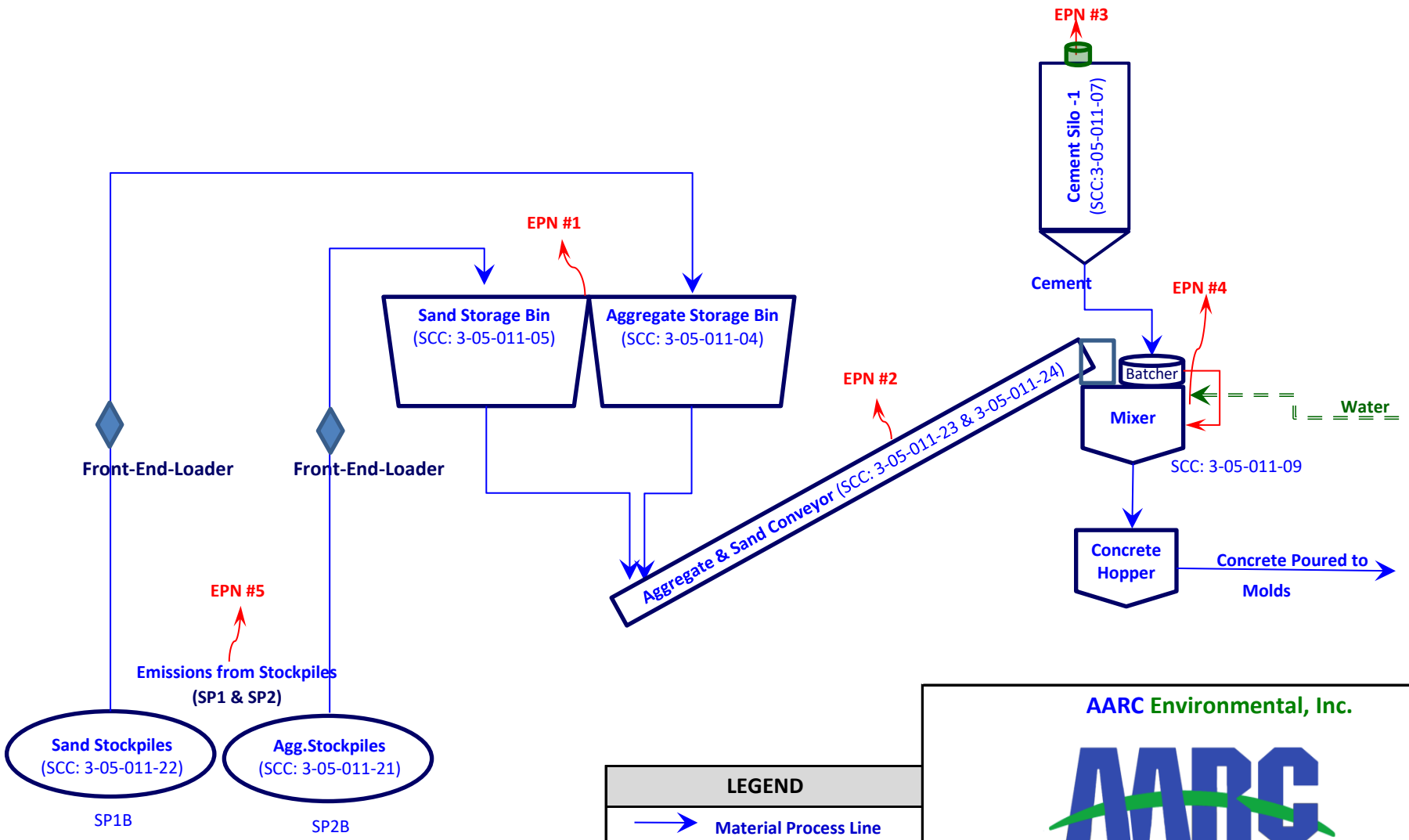
AARC Environmental, Inc.
Environmental, Occupational Health & Safety Solutions

Date: 08/28/2020
Visit By: A. Cuellar
Revision: 15
Revised By: Nathan Dosher
Dwg. Type: Air Plot Plan

ATTACHMENT VI.E: PROCESS FLOW DIAGRAM

A & W Industries, Inc. - Grapevine, TX

Process Flow Diagram



LEGEND

- Material Process Line
- Air Emissions (Stack)
- Air Emissions (Fugitive)
- Water
- Control Device

AARC Environmental, Inc.

A & W Industries, Inc. - Grapevine, TX

TCEQ Air Quality Permit Application

September, 2020

ATTACHMENT VI.F: PROCESS DESCRIPTION

A & W Industries, Inc., is currently operating pre-cast concrete batch plant located at 817 Dawn Lane, Grapevine, TX. The facility is permitted under TCEQ Permit # 1863 (initially permitted in 08/24/1989), the facility received NOV for not having sand and aggregates in hopper controlled with dust collector (as originally permitted). The facility is proposing to register under TCEQ standard permit for specialty batch plants. The facility intends to register the specialty precast concrete batch plant as standard permit under 30 TAC 116, Subchapter F.

The facility will have one precast concrete batch plant: PCP1. The maximum production capacity of the plant is 30 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.

PRECAST CONCRETE BATCH PLANT-1 (EPN #1 - #4)

The concrete will be composed of water, sand, aggregate and cement. Sand and aggregate will be brought into the facility via truck and unloaded onto the aggregate & sand stockpiles (SP1 & SP2) (EPN #5). The sand and aggregate will be loaded to storage bins (EPN #1) using front-end loaders. Sand and aggregate from storage bins will be dropped onto the conveyor (EPN #2) and transferred to the central mixer (EPN #4). Sand and aggregate materials will be prewashed, sprinkled, and handled wet. All sand and aggregate handling at the facility will be considered as material handling operations (EPN #1 & #2). Emissions from material handling will be fugitives. Cement will be brought into the facility via trucks and loaded pneumatically into cement silo. Cement will be transferred from the silo to the cement batcher and transferred to the central mixer (EPN #4). Particulate emissions from the silo loading will be vented to the baghouse (EPN #3). Raw materials: cement from the cement batcher and sand & aggregate from storage bins are loaded to the central mixer (EPN #4). Water will be added to the raw material in the central mixer along with sand, aggregate and cement. Uncaptured emissions from mixer will be fugitives. The concrete from mixer is loaded to hopper to be used in the molds for precast concrete products.

STOCKPILES (EPN #5)

Additional emissions from stockpiles at the facility (SP1 & SP2) operations due to wind are addressed as one source of fugitives under stockpile wind erosions from the facility (EPN #5). Water will be sprinkled to suppress the dust emissions from the stockpiles and roads as necessary.

ATTACHMENT VI.F: MAXIMUM EMISSIONS DATA & CALCULATIONS

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

Source	EPN	Air Contaminants
Precast Concrete Batch Plant (PCP1)	EPN #1 - EPN #4	PM, PM_{10}, $PM_{2.5}$
Wind Erosions from Stockpiles	EPN #5	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 – PCP6.

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 considered as one emission point (EPN #5). Emissions due to wind erosion from stockpiles are calculated using *EPA AP - 42 Chapters 13.2.4.*

Table - PCP1

A & W Industries, Inc. - Grapevine, 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	PCP-1	Units
Maximum Hourly Concrete Production (yd^3/hr) =	30	yd^3/hr
Maximum Hourly Concrete Production (tons/hr) =	60	tons/hr
Maximum Hourly Concrete Production (lbs/hr) =	120,720	lbs/hr
Maximum Annual Operating Hours (hrs/yr) =	8,760	hrs/yr
Maximum Annual Concrete Production (yd^3/yr) =	262,800	yd^3/yr
Maximum Annual Concrete Production (tons/yr) =	528,754	tons/yr

Concrete Raw Material **	1yd^3 of Concrete (lbs/yd^3)	PCP-1	
		Hourly Throughput (tons/hr)	Annual Throughput (tons/yr)
Aggregate	1,865	28.0	245,061
Sand	1,428	21.4	187,639
Cement	491	7.4	64,517
Flyash	73	1.1	9,592
Water	167	2.5	21,944
Total	**4,024**	**60.4**	**528,754**

Table - PCP2

A & W Industries, Inc. - Grapevine, TX

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

Parameters: PCP-1	Aggregate	Sand	Information Source
Hourly Flow Rate (tons/hr)	28.0	21.4	Based on maximumrated capacity of plant
Annual Flow Rate (tons/yr)	245,061	187,639	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Number of Transfer points	2	2	1) Stockpiles to Storage Bins; 2) Storage Bin to Conveyor
Emission Control Factor (%)	95%	95%	Washed Materials

Aggregate - Stockpiles to Conveyor & Conveyor to Storage Bins (SCC: 3-05-011-21, -23 & -04): EPN #1 & #2						
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	28.0	0.0069	5%	**0.0097**	245,061	**0.0423**
PM-10	28.0	0.0033	5%	**0.0046**	245,061	**0.0202**
PM-2.5	28.0	0.0005	5%	**0.0007**	245,061	**0.0031**

Sand - Stockpiles to Conveyor & Conveyor to Storage Bins (SCC: 3-05-011-22, -24 & -05): EPN #1 & #2						
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	21.4	0.0021	5%	**0.0022**	187,639	**0.0099**
PM-10	21.4	0.00099	5%	**0.0011**	187,639	**0.0046**
PM-2.5	21.4	0.00015	5%	**0.0002**	187,639	**0.0007**

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 - PCP3

A & W Industries, Inc. - Grapevine, TX

Emissions from Cement Silo -1 to Silo Baghouse : EPN #3

Parameters: PCP-1	Cement Silo-1	Information Source
Hourly Flow Rate (tons/hr)	50	Based on maximum capacity of delivery trucks
Annual Flow Rate (tons/yr)	64,517	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Emission Control Factor (%)	99.50%	Silo Baghouse
Number of Silos	1	1 Cement Silo

Parameters: PCP-1

Cement Unloading to Cement Silo -1 (SCC: 3-05-011-07): EPN #3						
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	0.50%	**0.1825**	64,517	**0.1177**
PM-10	50	0.47	0.50%	**0.1175**	64,517	**0.0758**
PM-2.5	50	0.08	0.50%	**0.0201**	64,517	**0.0130**

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 - PCP4

A & W Industries, Inc. - Grapevine, TX

Emissions from Specialty Mixer : EPN #4

Parameters: PCP-1	Cement	Information Source
Hourly Flow Rate (tons/hr)	8.5	Based on maximumrated capacity of plant
Annual Flow Rate (tons/yr)	74,110	Based on 8760 hrs/yr of operation at maximum rated capacity of plant
Emission Capture Efficiency (%)	90.00%	Full Enclosure Piping from Cement Weigh Hopper to Specialty Mixer
Emission Control Factor (%)	100.00%	All captured fugitives are mixed in Specialty mixer

Emissions from Specialty Mixer Loading (SCC: 3-05-011-09): EPN #4						
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	8.5	0.572	10.00%	**0.4839**	74,110	**2.1195**
PM-10	8.5	0.156	10.00%	**0.1320**	74,110	**0.5781**
PM-2.5	8.5	0.018	10.00%	**0.0152**	74,110	**0.0667**

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 - PCP5

A & W Industries, Inc. - Grapevine, TX

Emissions from Stockpiles (SP1B & SP2B) : EPN #5

Parameters: PCP-1	Data	Units	Information Source
Stockpiles Active Area	0.10	acres	Based on maximum area at the plant for stockpiles
Number of Active Days (N_{AD})	365	days/yr	Based on 8760 hrs/yr of operations
Control Factor	95.00%	%	Washed materials

Emissions from Stockpiles: EPN #5							
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	0.10	95.00%	3.50	**0**	13.20	**0.0120**	**0.0120**
PM-10	0.10	95.00%	1.75	**0**	6.60	**0.0060**	**0.0060**
PM-2.5	0.10	95.00%	0.26	**0**	0.99	**0.0009**	**0.0009**

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 - PCP6

A & W Industries, Inc. - Grapevine, TX

Summary of Emissions from the Site - (EPN #1 - 5)

EPN #	Plant / Site	Source Name	Hourly Emissions (lbs/hr)			Annual Emissions (tpy)		
			PM	PM-10	PM-2.5	PM	PM-10	PM-2.5
1	PCP-1	Sand & Aggregate from Stockpiles to Conveyor	0.0119	0.0057	0.0009	0.0521	0.0249	0.0038
2		Sand & Aggregate from Conveyor to Storage Bins	0.0119	0.0057	0.0009	0.0521	0.0249	0.0038
3		Cement Silo-1	0.1825	0.1175	0.0201	0.1177	0.0758	0.0130
4		Specialty Mixer Loading (Fugitives)	0.4839	0.1320	0.0152	2.1195	0.5781	0.0667
5		Stockpiles (SP1B & SP2B)	0.0028	0.0014	0.0002	0.0120	0.0060	0.0009
Total Emissions			**0.6930**	**0.2622**	**0.0372**	**2.3536**	**0.7096**	**0.0881**

Notes:

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

ATTACHMENT VI.G: FILTER SYSTEM DETAILS

Schematic Diagram of EPN #3