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

Generosa Gracia-Ramon  
County Clerk, Val Verde County, TX

*Generosa Gracia-Ramon*

<b>I. Registrant Information</b>		
<b>A. Company or Other Legal Customer Name:</b>		
Golden Spread Redi-Mix, Inc.		
<b>B. Company Official Contact Information</b> ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:)		
Name: Craig Snell		
Title: President		
Mailing Address: PO Box 31660		
City: Amarillo	State: Texas	ZIP Code: 79120-1660
Phone: 806-373-4951	Fax: 806-379-6548	
E-mail Address: mmayfield@goldenspreadrm.com		
<b>C. Technical Contact Information</b> ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:)		
Name: Michael Mayfield		
Title: Quality Control Mgr.		
Company Name: Golden Spread Redi-Mix, Inc.		
Mailing Address: PO Box 31660		
City: Amarillo	State: Texas	ZIP Code: 79120-1660
Phone: 806-676-4344	Fax: 806-379-6548	
E-mail Address: mmayfield@goldenspreadrm.com		
<b>II. Facility and Site Information</b>		
<b>A. Name and Type of Facility</b>		
Facility Name: GSRM # 275 & GSRM # 2, Rock Springs Wind		
Type of Facility:	<input type="checkbox"/> Permanent <input checked="" type="checkbox"/> Temporary	
For portable units, please provide the serial number of the equipment being authorized below.		
Serial No: 12531211	Serial No: 12240308	
<b>B. Facility Location Information</b>		
Street Address:		
If there is no street address, provide written driving directions to the site and provide the closest city or town, county, and ZIP code for the site (attach description if additional space is needed).		
App. 25 miles north of Del Rio; From intersection of US-277 and US-377, head east on US-377N for 4.3 miles.		
batch plant site is on north side of Highway.		
City: Del Rio	County: Val Verde	ZIP Code: 78841
Latitude (nearest second): 29 44' 52.86"	Longitude (nearest second): 100 45' 38.58"	

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<b>II. Facility and Site Information (continued)</b>	
<b>C. Core Data Form (required for Standard Permits 6004, 6006, 6007, 6008, and 6013).</b>	
Is the Core Data Form (TCEQ Form 10400) attached?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If "NO," provide customer reference number (CN) and regulated entity number (RN) below.	
Customer Reference Number (CN): 600134712	
Regulated Entity Number (RN): 106315484 (back-up plant 106076078)	
<b>D. TCEQ Account Identification Number (if known):</b>	
<b>E. Type of Action:</b>	
<input type="checkbox"/> Initial Application <input checked="" type="checkbox"/> Change to Registration <input type="checkbox"/> Renewal <input type="checkbox"/> Renewal Certification	
For Change to Registration, Renewal, or Renewal Certification actions provide the following:	
Registration Number: 112904 (96900)	Expiration Date: 10/16/2024
<b>F. Standard Permit Claimed: 6004</b>	
<b>G. Previous Standard Exemption or PBR Registration Number</b>	
Is this authorization for a change to an existing facility previously authorized under a standard exemption or PBR?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter previous standard exemption number(s) and PBR registration number(s), and associated effective date in the spaces provided below.	
Standard Exemption and PBR Registration Number(s)	Effective Date
<b>H. Other Facilities at this Site Authorized by Standard Exemption, PBR, or Standard Permit</b>	
Are there any other facilities at this site that are authorized by an Air Standard Exemption, PBR, or Standard Permit?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter standard exemption number(s), PBR registration number(s), and Standard Permit registration number(s), and associated effective date in the spaces provided below.	
Standard Exemption, PBR Registration, and Standard Permit Registration Number(s)	Effective Date

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<b>II. Facility and Site Information (continued)</b>		
<b>I. Other Air Preconstruction Permits</b>		
Are there any other air preconstruction permits at this site?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter permit number(s) in the spaces provided below.		
<b>J. Affected Air Preconstruction Permits</b>		
Does the standard permit directly affect any permitted facility?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," enter permit number(s) in the spaces provided below.		
<b>K. Concrete Batch Plant</b>		
<input type="checkbox"/> Central Mix <input checked="" type="checkbox"/> Ready Mix <input type="checkbox"/> Specialty Mix <input type="checkbox"/> Enhanced Controls for Concrete Batch Plants		
<b>1. State Legislators</b>		
State Senator: Carlos I. Uresti District 19		
State Representative: Poncho Nevarez District 74		
<b>2. County Judge</b>		
Name: Honorable Efrain Valdez		
Mailing Address: 400 Pecan St		
City: Del Rio	State: Texas	ZIP Code: 78841
<b>3. Presiding Officer</b>		
Is the facility located in a municipality or extraterritorial jurisdiction of a municipality?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "YES," list the name of the Presiding Officer for the municipality and/or extraterritorial jurisdiction:		
Presiding Officer Name:		
Title:		
Mailing Address:		
City:	State:	ZIP Code:

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<b>II. Facility and Site Information (continued)</b>		
<b>L. Federal Operating Permit (FOP) Requirements</b>		
Is this facility located at a site that is required to obtain an FOP pursuant to 30 TAC Chapter 122?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> To Be Determined	
If the site currently has an existing FOP, enter the permit number:		
Check the requirements of 30 TAC Chapter 122 that will be triggered if this standard permit is approved (check all that apply).		
<input type="checkbox"/> Initial Application for an FOP <input type="checkbox"/> Significant Revision for an SOP <input type="checkbox"/> Minor Revision for an SOP <input type="checkbox"/> Operational Flexibility/Off Permit Notification for an SOP <input type="checkbox"/> Revision for a GOP <input type="checkbox"/> To be Determined <input checked="" type="checkbox"/> None		
Identify the type(s) of FOP issued and/or FOP application(s) submitted/pending for the site. (check all that apply)		
<input type="checkbox"/> SOP <input type="checkbox"/> GOP <input type="checkbox"/> GOP application/revision (submitted or under APD review) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> SOP application/revision (submitted or under APD review)		
<b>III. Fee Information (see Section IX. for address to send fee or go to <a href="http://www.tceq.texas.gov/epay">www.tceq.texas.gov/epay</a> to pay online)</b>		
<b>A. Fee Amount:</b> \$900.00		
<b>B. Payment Information</b>		
Check/money order/transaction or voucher number: 252335		
Individual or company name on check:		
Was fee paid online?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>IV. Public Notice (if applicable)</b>		
<b>A. Responsible Person</b> ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:)		
Name: Michael Mayfield		
Title: Quality Control Mgr.		
Company: Golden Spread Redi-Mix, Inc.		
Mailing Address: PO Box 31660		
City: Amarillo	State: Texas	ZIP Code: 79120-1660
Phone: 806-373-4951		
Fax: 806-379-6548		
E-mail Address: mmayfield@goldenspreadrm.com		

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<b>IV. Public Notice (continued)</b>		
<b>B. Technical Contact</b> ( <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Other:) _____		
Name: Michael Mayfield		
Title: Quality Control Mgr.		
Company: Golden Spread Redi-Mix, Inc.		
Mailing Address: PO Box 31660		
City: Amarillo	State: Texas	ZIP Code: 79120-1660
Phone: 806-373-4951		
Fax: 806-379-6548		
E-mail Address: mmayfield@goldenspreadrm.com		
<b>C. Bilingual Notice</b>		
Is a bilingual program required by the Texas Education Code in the School District?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Are the children who attend either the elementary school or the middle school closest to your facility eligible to be enrolled in a bilingual program provided by the district?		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," list which language(s) are required by the bilingual program?		
Spanish		
<b>D. Small Business Classification and Alternate Public Notice</b>		
This business has 100 employees or less, or generates 6 million dollars or less in annual gross receipts.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
The source will not be a major stationary source.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
The site will not emit 50 tons, or more, per year of any individual regulated air contaminant.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
The site will not emit 75 tons, or more, per year of all regulated air contaminants combined.		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>E. For Concrete Batch Plants</b>		
<b>1. Public Works Project:</b> Will the plant provide concrete to a public works project, and be located in or contiguous to the right of-way of the public works project? (If "YES," public notice is not required.)		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>2. Application in Public Place</b>		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Name of Public Place: Val Verde County Courthouse		
Physical Address: 400 Pecan		
City: Del Rio	County: Val Verde	

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<b>V. Renewal Certification Option</b>	
<b>A.</b> Does the permitted facility emit an air contaminant on the Air Pollutant Watch List, and is the permitted facility located in an area on the watch list?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>B.</b> For facilities participating in the Houston/Galveston/Brazoria area (HGB) cap and trade program for highly reactive VOCs (HRVOCs), do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>C.</b> Does the company and/or site have an unsatisfactory compliance history?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>D.</b> Are there any applications currently under review for this standard permit registration?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>E.</b> Are scheduled maintenance, startup, or shutdown emissions required to be included in the standard permit registration at this time?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>F.</b> Are any of the following actions being requested at the time of renewal:	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>1.</b> Are there any facilities that have been permanently shutdown that are proposed to be removed from the standard permit registration?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>2.</b> Do changes need to be made to the standard permit registration in order to remain in compliance?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>3.</b> Are sources or facilities that have always been present and represented, but never identified in the standard permit registration, proposed to be included with this renewal?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>4.</b> Are there any changes to the current emission rates table being proposed?	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: If answers to all of the questions in Section V. Renewal Certification Option are "NO," use the certification option and skip to Section VII. of this form. If the answers to any of the questions in Section V. Renewal Certification Option are "YES," the certification option <b>cannot</b> be used.</i>	
*If notice is applicable and comments are received in response to the public notice, the application does not qualify for the renewal certification option.	

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**VI. Technical Information Including State and Federal Regulatory Requirements**

**Place a check next to the appropriate box to indicate what you have included in your submittal.**

*NOTE: Any technical or essential information needed to confirm that facilities are meeting the requirements of the standard permit must be provided. Not providing key information could result in an automatic deficiency and voiding of the project.*

**A. Standard Permit requirements (Checklists are optional; however, your review will go faster if you provide applicable checklists.)**

Did you demonstrate that the general requirements in 30 TAC Sections 116.610 and 116.615 are met?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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Did you demonstrate that emission limitations in 30 TAC Sections 106.261 and 106.262 are met?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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Did you demonstrate that the individual requirements of the specific standard permit are met?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>B. Confidential Information (All pages properly marked "CONFIDENTIAL")</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>C. Process Flow Diagram</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>D. Process Description</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>E. Maximum Emissions Data and Calculations</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>F. Plot Plan</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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<b>G. Projected Start Of Construction Date, Start Of Operation Date, and Length of Time at Site:</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
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Projected Start of Construction (provide date): 12/11/2015

Projected Start of Operation (provide date): 12/15/2015

Length of Time at the Site: 180 days

**VII. Delinquent Fees and Penalties**

This form **will not be processed** until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: [www.tceq.texas.gov/agency/delin/index.html](http://www.tceq.texas.gov/agency/delin/index.html).

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**VIII. Signature Requirements**

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

Name (printed): Michael Mayfield

Signature (original signature required): *Michael Mayfield*

Date: 09/22/2015

**Save Form**

**Reset Form**



# TCEQ Core Data Form

TCEQ Use Only

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

## SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in <b>Central Registry**</b>	3. Regulated Entity Reference Number (if issued)
CN 600134712		RN 106315484

## SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	09/22/2015	
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<b>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).</b>			
6. Customer Legal Name (If an individual, print last name first: e.g.: Doe, John)		If new Customer, enter previous Customer below:	
Golden Spread Redi-Mix, 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)
	17514029812	751402981	
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) - as it relates to the Regulated Entity listed on this form. Please check one of the following:			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> Voluntary Cleanup Applicant <input type="checkbox"/> Other:			
15. Mailing Address:			
PO Box 31660			
City	Amarillo	State	TX
ZIP	79120	ZIP + 4	1660
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)	
( 806 ) 373 - 4951		( 806 ) 379 - 6548	

## SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected below this form should be accompanied by a permit application)	
<input type="checkbox"/> New Regulated Entity	<input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information
<b>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).</b>	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
GSRM Rock Springs Wind	

23. Street Address of the Regulated Entity: (No PO Boxes)	App. 25 miles north of Del Rio; From intersection of US-277 and US-377, head east on US-377 for 4.3 miles. North side of Hwy.						
	City	Del Rio	State	TX	ZIP	78841	ZIP + 4
24. County	Val Verde						

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:	App. 25 miles north of Del Rio; From intersection of US-277 and US-377, head east on US-377 for 4.3 miles. Site is on the north side of the Hwy.						
26. Nearest City	Del Rio			State	TX	Nearest ZIP Code	78841
27. Latitude (N) In Decimal:	29.748016		28. Longitude (W) In Decimal:	100.760716			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29	44	52.86	100	45	38.58		
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							
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Producer of Ready Mixed Concrete							
34. Mailing Address:	PO Box 31660						
	City	Amarillo	State	TX	ZIP	79120	ZIP + 4 1660
35. E-Mail Address:		mmayfield@goldenspreadrm.com					
36. Telephone Number			37. Extension or Code		38. Fax Number (if applicable)		
( 806 ) 373 - 4951					( 806 ) 379 - 6548		

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

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

#### SECTION IV: Preparer Information

40. Name:	Michael Mayfield		41. Title:	Quality Control Mgr.	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
( 806 ) 373 - 4951		( 806 ) 379 - 6548	mmayfield@goldenspreadrm.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:	Golden Spread Redi-Mix, Inc.	Job Title:	Quality Control Mgr.
Name (In Print):	Michael Mayfield	Phone:	( 806 ) 373 - 4951
Signature:	<i>Mich / mayfield</i>	Date:	09-22-2015



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

The following checklist has been developed so the Texas Commission on Environmental Quality (TCEQ), Air Permits Division (APD) can confirm that the concrete batch plant meets the standard permit requirements. Please read all questions and select YES, NO, N/A, or give specific information for the facility. If the concrete batch plant does not meet all conditions of this standard permit, it will not be allowed to operate under the standard permit and must apply for a case-by-case preconstruction permit as required under Title 30 Texas Administrative Code (TAC) §116.110. Sections 3 through 7 are requirements for all concrete batch plant standard permit applications. Sections 8, 9, and 10 are specific requirements required for either temporary, permanent, or specialty plants.

<b>Facility Type</b>	
Check the facility type authorized	
<input checked="" type="checkbox"/> Temporary Concrete Batch Plant (Complete Sections 3-7 and 8)	
<input type="checkbox"/> Permanent Concrete Batch Plant (Complete Sections 3-7 and 9)	
<input type="checkbox"/> Specialty Concrete Batch Plant (Comp Sections 3-7 and 10)	
<b>Condition Number and Description</b>	
<b>(3) Administrative Requirements</b>	
(3)(A)	Are the form PI-1S, Registrations for Air Standard Permit, Table 11, Fabric Filters, Table 20, Concrete Batch Plants attached?
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	If applicable, is Table 29 Reciprocating Engines attached?
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	Will copies of all information be mailed to the Air Permits Division, the TCEQ regional office, and all applicable local programs?
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(3)(B)	Was the \$900 fee sent to the TCEQ Revenue Section?
	(The fee is not required if the facility meets the requirements of being in or adjacent to the right of way of a public works project.)
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(3)(C)	Has construction and/or operation begun on the facility?
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(3)(G)	Will this facility qualify for relocation under section (8)(F)?
	(If yes, the facility will be exempt from public notice requirements in section (4) of this standard permit.)
	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(3)(H)	Will construction commence within 18 months of written approval from the Executive Director in accordance with 30 TAC § 116.120(a)(1), Voiding of Permits?
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(3)(J)	Will records be maintained and kept for a rolling 24 months?
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(3)(K)	Will abatement equipment failure or emissions deviations in excess of paragraph (5)(B)(iii) be reported in accordance with 30 TAC Chapter 101, General Air Quality Rules as appropriate?
	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

<b>(4) Public Notice</b>		
(4)	Will the public notice requirements be followed in accordance in 30 TAC Chapter 39, Public Notice?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	<p>Is this a temporary facility that is exempt from public notice under 30 TAC § 116.178(b), Relocations and Changes of Location of Portable Facilities?</p> <p>If Yes, please provide a map indicating where the public works right of way is located and the location of the proposed plant. Also provide the name of the project or Texas Department of Transportation project number.</p>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>(5) General Requirement</b>		
(5)(A)	Will all cement/flyash storage silos, weigh hoppers, and auxiliary storage tanks be vented to a fabric/cartridge filter or a central fabric/cartridge filter system?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(i)	Will fabric/cartridge filters and collection systems be operated properly with no tears or leaks?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(ii)	Will filter systems (including any central filter system) be designed to meet a minimum control efficiency of at least 99.5 percent at particle sizes of 2.5 microns and smaller?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(iii)	Will all filter systems meet visible emissions performance standards?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(iv)	Will cement and/or flyash silo filter exhausts be equipped with sufficient illumination to observe visible emissions performance if filled during non-daylight hours?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(C)(ii)	During cement/flyash 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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(D)	Is there an automatic shut-off or warning device installed on each bulk storage silo?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(D)(i)	If an automatic shut-off device is installed, will it shut down the loading operations on each bulk storage silo or auxiliary storage tank prior to reaching capacity?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

<b>(5) General Requirement (continued)</b>		
(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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
	Do you regularly prevent particle build-up on visible warning devices?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(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?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)	The following methods will be used to control emissions from in-plant roads and traffic areas:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(i)	Watering.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(ii)	Treated with dust-suppressant chemicals (as described in the application of aqueous detergents, surfactants, and other cleaning solutions in the de minimis list).	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(5)(E)(iii)	Covered with a material such as, (but not limited to), roofing shingles or tire chips and used in combination with (i) or (ii) above.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(5)(E)(iv)	Paved with a cohesive hard surface that is maintained intact and cleaned.	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(5)(F)	Will dust emissions from all stockpiles be minimized at all times by sprinkling with water, dust-suppressant chemicals, or covered?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(5)(G)	Will all material spills be immediately cleaned up and contained or dampened so dust emissions are minimized?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	Will quarterly visible emission observations be performed and recorded in accordance with Section (3)(J) of this standard permit?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	If visible emissions exceed Test Method 22 criteria, will immediate corrective action be taken and documented?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(I)	Will the concrete batch plant be located at least 550 feet from any crushing plant or hot mix asphalt plant?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	If no, will the concrete batch plant operate at the same time as the crushing plant or hot mix asphalt plant?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

<b>(5) General Requirement (continued)</b>		
(5)(J)	Are multiple concrete batch plants being operated on the same site?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	Will site production limits be maintained per Sections (8), (9), or (10)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(5)(K)	Will any concrete additives emit volatile organic compounds (VOC)?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>(6) Engines</b>		
(6)(A)	Will the horsepower (or combined horsepower) of the stationary compression ignition internal combustion engine(s) exceed 1,000 horsepower?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(6)(C)	Will the engine exhaust stack be a minimum of eight feet tall?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(6)(D)	Will fuel for the engine be liquid fuel with a maximum sulfur content of no more than 0.0015 percent by weight and not consist of a blend containing waste oils or solvents?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
<b>(7) Planned Maintenance, Startup, and Shutdown (MSS) Activities</b>		
	Will planned maintenance activities receive separate authorization or meet the conditions of 30 TAC § 116.119, De Minimis Facilities or Sources?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>(8) Additional Requirements for Temporary Concrete Batch Plants</b>		
(8)(A)	Will the site production rate be limited to 300 cubic yards in any one hour (cy/hr) not to exceed 6,000 cubic yards per day?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(8)(B)	Will the suction shroud be vented to a fabric or cartridge filter system with a minimum of 5,000 actual cubic feet per minute (acfm)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(8)(C)	Will the truck drop point be sheltered by an intact three-sided curtain or equivalent dust control technology that extends below the mixer truck-receiving funnel?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
(8)(D)(i)	Will the suction shroud baghouse exhaust be located at least 100 feet from any property line?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>Note: For concrete batch plants that supply concrete for a single public works project, the property line measurements for purposes of compliance with this standard permit shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.</i>		
(8)(D)(ii)	Will all 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) be located or operated at least 50 feet from any property line?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

<b>(8) Additional Requirements for Temporary Concrete Batch Plants (continued)</b>		
(8)(E)(i)	In lieu of meeting the distance requirements in (8)(D) (ii), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(8)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(8)(E)(iii)	Will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A
(8)(F)(i)	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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(8)(F)(ii)	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?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
(8)(G)	If (8)(F) conditions are met, forward the required information to the appropriate regional office for final decision.	
<b>(9) Additional Requirements for Permanent Concrete Batch Plants</b>		
(9)(A)	Will the site production rate be limited to no more than 300 cubic yards in any one hour, not to exceed 6,000 cubic yards per day?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(B)	Will the suction shroud or other pickup device be installed at the batch drop point (drum feed for central mix plants)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will the suction shroud or other pickup device be vented to a fabric or cartridge filter system with a minimum of 5,000 acfm?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(C)	Will the truck drop point be sheltered by an intact three-sided curtain or equivalent dust control technology that extends below the mixer truck-receiving funnel?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(D)(i)	Will the suction shroud baghouse exhaust be located at least 100 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(D)(ii)	Will all 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) be located or operated at least 50 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(E)(i)	In lieu of meeting the distance requirements in (9)(D)(ii), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A



## Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

<b>(9) Additional Requirements for Permanent Concrete Batch Plants (continued)</b>		
(9)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(E)(iii)	Will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(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?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will all batch trucks and material delivery trucks remain on the paved surface when entering, conducting primary function, and leaving the property?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	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.	<input type="checkbox"/> YES <input type="checkbox"/> NO
<b>(10) Additional Requirements for Specialty Concrete Batch Plants</b>		
(10)(A)	Will the site production rate be limited to no more than 30 cubic yards per hour?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(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?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)(C)(i)	Will the dust emissions at the batch mixer be controlled using a suction shroud or other pickup device delivering air to a fabric or cartridge filter?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(C)(ii)	Will the dust emissions at the batch mixer be controlled using an enclosed batch mixer feed?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(C)(iii)	Will the dust emissions at the batch mixer be controlled by conducting the entire mixing operation inside an enclosed process building?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(D)	Will all vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 25 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(E)(i)	In lieu of meeting the distance requirements in (10)(D), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

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

Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the rule number. The SP forms, tables, checklists, and guidance documents are available from the TCEQ, Air Permits Division web site at:  
[www.tceq.texas.gov/permitting/air/nav/standard.html](http://www.tceq.texas.gov/permitting/air/nav/standard.html).

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

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

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

Rule	Question/Description	Response
116.614	Are the required fee and a copy of the check or money order provided with the application?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(1)	Will emissions from the facility comply with all applicable rules and regulations of the commission adopted under Texas Health and Safety Code, Chapter 382, and with the intent of the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(2)	Do you understand that all representations with regard to construction plans, operating procedures, and maximum emission rates in this registration become conditions upon which the facility will be constructed and operated?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(3)	Do you understand that all changes authorized by this registration need to be incorporated into the facility's permit if the facility is currently permitted under §116.110 (relating to Applicability)?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>List all related permit numbers:</i>		
116.615(9)617(e)(1)	Will all air pollution emission capture and abatement equipment be maintained in good working order?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
116.615(10)	Will the facility comply with all applicable rules and regulations of the TCEQ, the Texas Health and Safety Code, Chapter 382, and the Texas Clean Air Act?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

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**Texas Commission on Environmental Quality**  
**Table 20**  
**Concrete Batch Plants**

The following table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality Air Permits Division website at [http://www.tceq.texas.gov/permitting/air/air\\_permits.html](http://www.tceq.texas.gov/permitting/air/air_permits.html).

Please Complete the Following				
Company Name: Golden Spread Redi-Mix, Inc.				
Plant identification or name: Cemco # 275				
Type of plant:	<input type="checkbox"/> Permanent	<input checked="" type="checkbox"/> Temporary	<input type="checkbox"/> Specialty Mix	
Type of batching that will be accomplished	<input checked="" type="checkbox"/> Wet (Rotary Mix Truck)	<input type="checkbox"/> Dry	<input type="checkbox"/> Central Mix	
Maximum production rates: 120		cubic yards/hour 108,000		cubic yards/year
Maximum operations: 10	hours/day 6	days/week 26	weeks/year 1560	hour/year
Does the facility operate at night?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Is a completed table 11 "Fabric Filters," submitted with this application for each fabric filter?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
Silo Information:				
How many silos will this plant have? Two				
What is the volume of each silo (cubic feet)? 2596 and 1234				
Explain the method of loading silo(s): Pneumatic				
Is each silo equipped with overload warning device?			<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
What type of abatement device will be used on silo vent(s)? Baghouse				
How will the batch drop to truck or central mixer be controlled to prevent dust emissions?				
<input checked="" type="checkbox"/> Suction shroud with exhaust air to central fabric filter <i>(If checked, attach a completed Table 11, "Fabric Filters.")</i> <input type="checkbox"/> Flexible discharge spouts with water fog ring <i>(If checked, attach design drawing.)</i> <input type="checkbox"/> Other type of abatement device <i>(If checked, explain in detail and attach design-drawing.)</i>				
What is the distance from the water fog ring or central bag house stack to the nearest property line (ft.): 360'				
How will the cement weigh hopper be vented?				
<input checked="" type="checkbox"/> Cement Fly Ash Silo Fabric Filter <i>(If checked, attach a completed Table 11, "Fabric Filters.")</i> <input type="checkbox"/> Central Fabric Filter <i>(If checked, attach a completed Table 11, "Fabric Filters.")</i> <input type="checkbox"/> Other <i>(Please indicate)</i>				

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**Texas Commission on Environmental Quality**  
**Table 20**  
**Concrete Batch Plants**

The following table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality Air Permits Division website at [http://www.tceq.texas.gov/permitting/air/air\\_permits.html](http://www.tceq.texas.gov/permitting/air/air_permits.html).

<b>Please Complete the Following (continued)</b>	
Will the sand and aggregate be washed prior to delivery at your facility?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
What is the number of acres or square feet which will be covered by aggregate stockpiles?	
acres or 16,000	square feet
Water sprays will be used at the following locations:	
<input checked="" type="checkbox"/> Stockpiles	<input type="checkbox"/> Aggregate Bin Outlets
<input type="checkbox"/> Convey or Transfer Points	<input type="checkbox"/> Screens
How will plant roads be treated to prevent dust emissions?	
<input type="checkbox"/> Paved and Cleaned <i>(asphalt or concrete)</i>	<input type="checkbox"/> Chemical Sprayed
<input type="checkbox"/> Paved and Vacuumed	<input checked="" type="checkbox"/> Water Sprinkled
	<input type="checkbox"/> Gravel
Is there a generator or engine on site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>[Note: If "YES," complete generator information below and submit a completed Table 29 entitled, "Reciprocating Engines."]</b>	
<b>Generator Information</b>	
Make and model:	
Maximum rated horsepower :	
Fuel type:	
Percentage of sulfur content:	
Annual hours of operation:	
Distance to nearest property line (feet):	
NO <sub>x</sub> rating ( <i>specify in units</i> ):	
<b>Fabric Filter</b>	
Fabric filter name or EPN: Spunbound Polyester Polypleat	
Manufacturer's represented efficiency (%): 99.9	
Micron level(s) evaluated: 0.0 - 10	

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**Texas Commission on Environmental Quality**  
**Table 20**  
**Concrete Batch Plants**

The following table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality Air Permits Division website at [http://www.tceq.texas.gov/permitting/air/air\\_permits.html](http://www.tceq.texas.gov/permitting/air/air_permits.html).

Please Complete the Following				
Company Name: Golden Spread Redi-Mix, Inc.				
Plant identification or name: Cemco # 2 (Back-up plant)				
Type of plant:	<input type="checkbox"/> Permanent	<input checked="" type="checkbox"/> Temporary	<input type="checkbox"/> Specialty Mix	
Type of batching that will be accomplished	<input checked="" type="checkbox"/> Wet (Rotary Mix Truck)	<input type="checkbox"/> Dry	<input type="checkbox"/> Central Mix	
Maximum production rates: 120	cubic yards/hour	108,000	cubic yards/year	
Maximum operations: 10	hours/day 6	days/week 26	weeks/year 1560	hour/year
Does the facility operate at night?				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Is a completed table 11 "Fabric Filters," submitted with this application for each fabric filter?				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Silo Information:				
How many silos will this plant have? Two				
What is the volume of each silo (cubic feet)? 2596 and 1234				
Explain the method of loading silo(s): Pneumatic				
Is each silo equipped with overload warning device?				<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
What type of abatement device will be used on silo vent(s)? Baghouse				
How will the batch drop to truck or central mixer be controlled to prevent dust emissions?				
<input checked="" type="checkbox"/> Suction shroud with exhaust air to central fabric filter (If checked, attach a completed Table 11, "Fabric Filters.")				
<input type="checkbox"/> Flexible discharge spouts with water fog ring (If checked, attach design drawing.)				
<input type="checkbox"/> Other type of abatement device (If checked, explain in detail and attach design-drawing.)				
What is the distance from the water fog ring or central bag house stack to the nearest property line (ft.): 360'				
How will the cement weigh hopper be vented?				
<input checked="" type="checkbox"/> Cement Fly Ash Silo Fabric Filter (If checked, attach a completed Table 11, "Fabric Filters.")				
<input type="checkbox"/> Central Fabric Filter (If checked, attach a completed Table 11, "Fabric Filters.")				
<input type="checkbox"/> Other (Please indicate)				

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**Texas Commission on Environmental Quality**  
**Table 20**  
**Concrete Batch Plants**

The following table is designed to help you confirm that you meet the requirements of Title 30 Texas Administrative Code Chapter 116. Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality Air Permits Division website at [http://www.tceq.texas.gov/permitting/air/air\\_permits.html](http://www.tceq.texas.gov/permitting/air/air_permits.html).

<b>Please Complete the Following (continued)</b>	
Will the sand and aggregate be washed prior to delivery at your facility?	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
What is the number of acres or square feet which will be covered by aggregate stockpiles?	
acres or 16,000	square feet
Water sprays will be used at the following locations:	
<input checked="" type="checkbox"/> Stockpiles <input type="checkbox"/> Aggregate Bin Outlets <input type="checkbox"/> Convey or Transfer Points <input type="checkbox"/> Screens	
How will plant roads be treated to prevent dust emissions?	
<input type="checkbox"/> Paved and Cleaned (asphalt or concrete) <input type="checkbox"/> Chemical Sprayed <input checked="" type="checkbox"/> Water Sprinkled <input type="checkbox"/> Gravel	
<input type="checkbox"/> Paved and Vacuumed	
Is there a generator or engine on site?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<b>[Note: If "YES," complete generator information below and submit a completed Table 29 entitled, "Reciprocating Engines."]</b>	
<b>Generator Information</b>	
Make and model:	
Maximum rated horsepower :	
Fuel type:	
Percentage of sulfur content:	
Annual hours of operation:	
Distance to nearest property line (feet):	
NO <sub>x</sub> rating (specify in units):	
<b>Fabric Filter</b>	
Fabric filter name or EPN: Spunbound Polyester Polypleat	
Manufacturer's represented efficiency (%): 99.9	
Micron level(s) evaluated: 0.0 - 10	

**Save Form**

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

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) Web site at [www.tnrc.state.tx.us/permitting/airperm](http://www.tnrc.state.tx.us/permitting/airperm).

1. Emission Point Number and name (from Process Flow Diagram): APCD 1				
2. Manufacturer and model number (if available): WAM RO1 Silo Top				
3. Name of source(s) or equipment being controlled: Cement Silo				
4. Type of particulate controlled: Cement Dust				
<b>5. GAS STREAM CHARACTERISTICS</b>				
Design Maximum Flow Rate (acfm)	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
1500	500	Ambient	Inlet: Variable	Outlet: .01
Pressure Drop (inches of H <sub>2</sub> O)	Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements	
4" min 8" max			hp: Vented	ft <sup>3</sup> /min:
<b>6. PARTICULATE DISTRIBUTION (By Weight)</b>				
Micron Range	Inlet (Percentage)		Outlet (Percentage)	
0.0-0.5			0.01	
0.5-1.0			0.01	
1.0-5.0			0.01	
5-10			0.01	
10-20			0.01	
over 20			0.01	
<b>7. FILTER CHARACTERISTICS</b>				
Filtering Velocity (acfm/ft <sup>2</sup> of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags	
6:1	16.5"	4'	7 cartridges	
8. Bag rows will be: <input type="checkbox"/> Staggered <input checked="" type="checkbox"/> Straight				
9. Will walkways be provided between banks of bags?: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
10. Filtering material: Spunbound polyester / 10 micron				
11. Describe bag cleaning method and cycle.: Pulse jet				
12. Capital installed cost \$ <b>\$3,500.00</b> Annual operating cost \$ <b>\$500.00</b>				

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.

*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*



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

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) Web site at [www.tnrc.state.tx.us/permitting/airperm](http://www.tnrc.state.tx.us/permitting/airperm).

1. Emission Point Number and name (from Process Flow Diagram): APCD 2				
2. Manufacturer and model number (if available): WAM RO1 Silo Top				
3. Name of source(s) or equipment being controlled: Fly ash Silo				
4. Type of particulate controlled: Fly ash Dust				
<b>5. GAS STREAM CHARACTERISTICS</b>				
Design Maximum Flow Rate (acfm)	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)	
1500	500	Ambient	Inlet: Variable	Outlet: .01
Pressure Drop (inches of H <sub>2</sub> O)	Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements	
4" min 8" max			hp: Vented	ft <sup>3</sup> /min:
<b>6. PARTICULATE DISTRIBUTION (By Weight)</b>				
Micron Range	Inlet (Percentage)		Outlet (Percentage)	
0.0-0.5			0.01	
0.5-1.0			0.01	
1.0-5.0			0.01	
5-10			0.01	
10-20			0.01	
over 20			0.01	
<b>7. FILTER CHARACTERISTICS</b>				
Filtering Velocity (acfm/ft <sup>2</sup> of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags	
6:1	16.5"	4'	7 cartridges	
8. Bag rows will be: <input type="checkbox"/> Staggered <input checked="" type="checkbox"/> Straight				
9. Will walkways be provided between banks of bags?: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
10. Filtering material: Spunbound polyester / 10 micron				
11. Describe bag cleaning method and cycle.: Pulse jet				
12. Capital installed cost \$ <b>\$3,500.00</b> Annual operating cost \$ <b>\$500.00</b>				

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.

*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*



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

Tables, checklists, and guidance documents pertaining to air quality permits are available from the Texas Commission on Environmental Quality (TCEQ) Air Permits Division (APD) Web site at [www.tnrc.state.tx.us/permitting/airperm](http://www.tnrc.state.tx.us/permitting/airperm).

1. Emission Point Number and name (from Process Flow Diagram): APCD 3			
2. Manufacturer and model number (if available): WAM FCIJ03			
3. Name of source(s) or equipment being controlled: Cement Weigh Bin			
4. Type of particulate controlled: Cement, Fly ash Dust			
<b>5. GAS STREAM CHARACTERISTICS</b>			
Design Maximum Flow Rate (acfm)	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)
150	55	Ambient	Inlet: 30      Outlet: .01
Pressure Drop (inches of H <sub>2</sub> O)	Water Vapor Content of Effluent Stream (lb water/lb dry air)		Fan Requirements
3" min 8" max			hp: Vented      ft <sup>3</sup> /min:
<b>6. PARTICULATE DISTRIBUTION (By Weight)</b>			
Micron Range	Inlet (Percentage)	Outlet (Percentage)	
0.0-0.5		0.01	
0.5-1.0		0.01	
1.0-5.0		0.01	
5-10		0.01	
10-20		0.01	
over 20		0.01	
<b>7. FILTER CHARACTERISTICS</b>			
Filtering Velocity (acfm/ft <sup>2</sup> of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags
6:1	5.25"	1.67'	3 cartridges
8. Bag rows will be: <input type="checkbox"/> Staggered <input checked="" type="checkbox"/> Straight			
9. Will walkways be provided between banks of bags?: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
10. Filtering material: Spunbound polyester / 10 micron			
11. Describe bag cleaning method and cycle.: Pulse jet			
12. Capital installed cost \$ <b>\$3,000.00</b>		Annual operating cost \$ <b>\$350.00</b>	

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.

*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*



**Texas Commission on Environmental Quality**  
**Table 11**  
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1. Emission Point Number and name (from Process Flow Diagram): APCD - 4			
2. Manufacturer and model number (if available): C&W CP-535			
3. Name of source(s) or equipment being controlled: Truck loading point / Shroud			
4. Type of particulate controlled: Cement, Flyash, Particulate dust			
<b>5. GAS STREAM CHARACTERISTICS</b>			
Design Maximum Flow Rate (acfm)	Average Expected Flow Rate (acfm)	Gas Stream Temperature (°F)	Particulate Grain Loading (grain/scf)
5000	5000	Ambient	Inlet: 1.22758      Outlet: .000122758
Pressure Drop (inches of H <sub>2</sub> O)	Water Vapor Content of Effluent Stream (lb water/lb dry air)	Fan Requirements	
10" max		hp: 10	ft <sup>3</sup> /min: 5000
<b>6. PARTICULATE DISTRIBUTION (By Weight)</b>			
Micron Range	Inlet (Percentage)	Outlet (Percentage)	
0.0-0.5		0.01	
0.5-1.0		0.01	
1.0-5.0		0.01	
5-10		0.01	
10-20		0.01	
over 20		0.01	
<b>7. FILTER CHARACTERISTICS</b>			
Filtering Velocity (acfm/ft <sup>2</sup> of Cloth)	Bag Diameter (inches)	Bag Length (feet)	Total Number of Bags
7:48	8"	6.5'	6 cartridges
8. Bag rows will be: <input type="checkbox"/> Staggered <input checked="" type="checkbox"/> Straight			
9. Will walkways be provided between banks of bags?: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
10. Filtering material: Spunbound polyester / 10 micron			
11. Describe bag cleaning method and cycle.: Pulse jet w/adjustable timer			
12. Capital installed cost \$ <b>\$18,000.00</b>		Annual operating cost \$ <b>\$1,500.00</b>	

Note: Attach the details regarding the principle of operation and an assembly drawing (front and top view) of the abatement device drawn to scale clearly showing the design, size and shape.

*If the device has bypasses, safety valves, etc., include in the drawing and specify when such bypasses are to be used and under what conditions.*

equipment Bulk Solids Handling Equipment Bulk Solids Handling Equipment Bulk Solids Handling Equipment

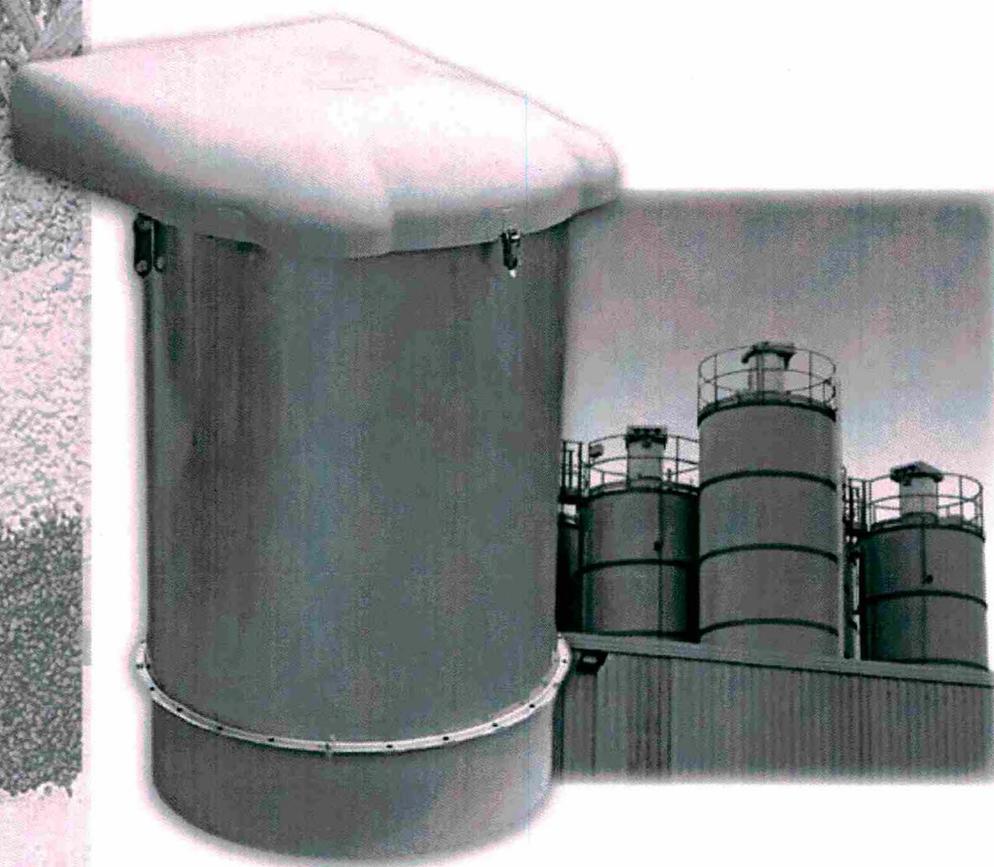
# SILOTOP®

## Silo Venting Filters

*Siloentstaubungsfilter*

*Filtres dépoussiéreurs pour silo*

*Filtri depolveratori per silo*



### Description

SILOTOP® is a cylindrically shaped dust collector for venting of pneumatically filled silos. The stainless steel body contains vertically mounted, POLYPLEAT® filter elements. The air jet cleaning system is integrated in the hinged weather protection cover.

### Beschreibung

SILOTOP® ist zylindrischer Siloentstaubungsfilter für durchlüften von pneumatisch aufgefüllten Silos. Rostfreies Stahlkörper beinhaltet senkrecht montierte POLYPLEAT® Filterelemente. Air jet Reinigungssystem ist integriert in klappbare Wetterschutzdeckung.

### Déscription

SILOTOP® est un collecteur de poussière cylindrique pour la ventilation des silos remplis pneumatiquement. Le boîtier en acier inoxydable contient, montés verticalement, les éléments filtrants POLYPLEAT®. Système de nettoyage par jets d'air est intégré dans le couvercle à charnière qui protège des agressions atmosphériques.

### Descrizione

SILOTOP® è un collettore di polvere a forma cilindrica per lo sfiato dei silo a carico pneumatico. Il corpo in acciaio inossidabile contiene elementi filtranti in POLYPLEAT® montati verticalmente. Il sistema di pulizia ad aria compressa è integrato nel coperchio per la protezione da agenti atmosferici.

### Function

Dust separated from the air flow by special POLYPLEAT® filter elements drops back into the silo after an integrated automatic reverse air jet cleaning system inside the weather protection cover has removed it from the filter elements.

Originally designed for cement and similar materials, SILOTOP® can be used with any dust generating material as long as it is dry and does not pack under pressure.

### Funktion

Staub, das aus dem Luftfluß, mit speziellen POLYPLEAT® Filterelementen, separiert wurde, tropft in das Silo zurück, nachdem das integrierte Air jet Reinigungssystem mit automatischem Rückkehr, das sich in dem Wetterschutzdeckung befindet, die Staub aus Filterelementen entfernt hat.

Dieser Filter ist ursprünglich für das Zement und ähnliche Materialien entworfen. SILOTOP® kann man für jedes Material, das die Staub produziert, benutzen, so lange es sich um die Materialien, die trocken sind und die sich unter dem Druck nicht verdichten, handelt.

### Fonction

Une fois enlevée des éléments filtrants par le système de nettoyage par jets d'air intégré et à retour automatique, la poussière séparée de l'air par des éléments filtrants POLYPLEAT® retombe dans le silo.

Conçu originellement pour le ciment et des matériaux similaires, SILOTOP® peut être avec tous les matériaux generateurs de poussière pourvu qu'ils soient secs et résistant à la pression.

### Funzione

La polvere separata dal flusso d'aria tramite gli elementi filtranti speciali in POLYPLEAT® cade di nuovo all'interno del silo, dopo che è stata separata dall'elemento filtrante da un flusso automatico inverso dell'aria compressa "sparata" dal sistema di pulizia integrato nel coperchio per la protezione da agenti atmosferici.

Originariamente disegnato per il cemento e materiali simili, SILOTOP® può essere usato con ogni polvere di materiale asciutto e non impaccante sotto pressione.

BODY GEHÄUSE CORPS CORPO	FILTER SURFACE FILTERFLÄCHE SURFACE FILTRANTE SUPERFICIE FILTRANTE	MAX. HEIGHT WHEN CLOSED MAX. HÖHE GESCHLOSSEN HAUTER MAXI CAPOT FERME ALTEZZA MAX. COP. CHIUSO	MAX. HEIGHT WHEN OPEN MAX. HÖHE OFFEN HAUTER MAXI CAPOT OUVERT ALTEZZA MAX. COP. APERTO	kg
Ø 800 mm	24.5 m <sup>2</sup>	1100 mm	1850 mm	79

### Maintenance-Free Air Jet Cleaning Unit Integrated Inside Weather Protection Cover

Wartungsfreie, in die Wetterhaube integrierte Abblaseinheit

Groupe de soufflage intégré au capot de protection pour une maintenance plus simple

Gruppo di sparo inserito all'interno del coperchio non necessita di manutenzione

### Extruded 304 Stainless Steel Blow Pipes

Extrudierte Abblasrohre aus Edelstahl 1.4301

Tubes d'injection d'air de soufflage en acier inox 304

Tubi di sparo in acciaio inox AISI 304.

### Filter Element Fixing Clamps Reduce Maintenance Time

Klemmpratzen zur Befestigung der Filterelemente verkürzen die Wartung

Les crapauds de fixation des éléments filtrants autorisent des opérations de maintenance rapides

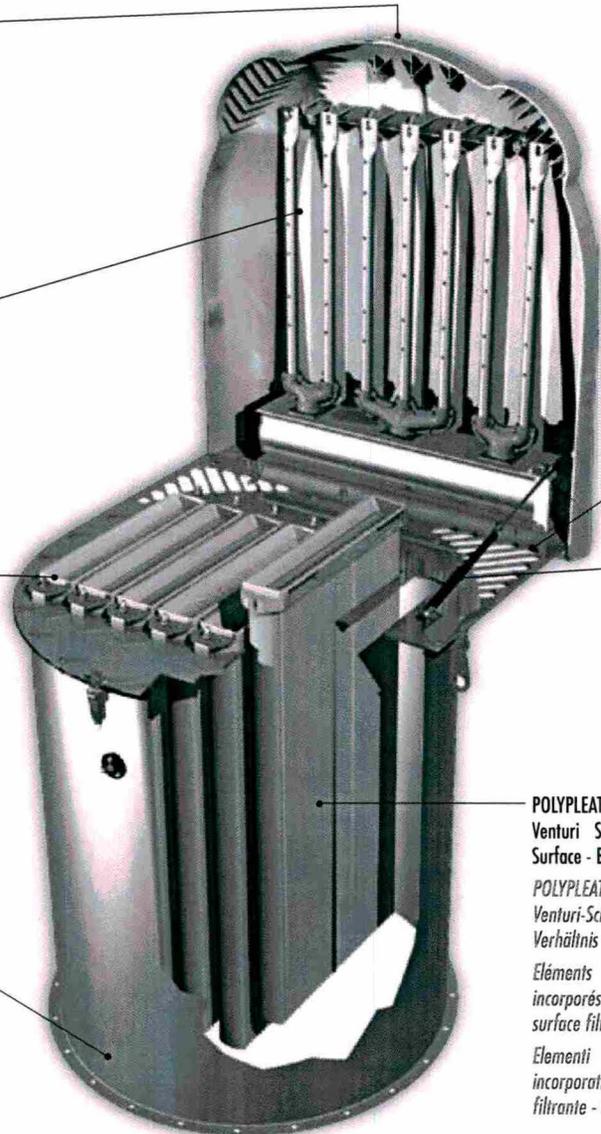
Crapauds di fissaggio elementi filtranti che consentono una rapida manutenzione

### Robust 304 Stainless Steel Body With Bottom Flange

Robustes Edelstahlgehäuse mit Flanschverbindung

Corps filtre en acier inox 304 avec bride inférieure percée pour fixation par boulons

Corpo filtro robusto in AISI 304 con connessione flangiata



### POLYPLEAT® Filter Elements With Integrated Venturi Shafts Guarantee Optimum Filter Surface - Body Volume Ratio

POLYPLEAT® Filterelemente mit integrierten Venturi-Schächten gewährleisten optimales Verhältnis Filterfläche zu Gehäusevolumen

Éléments filtrants POLYPLEAT® avec venturi incorporés pour un rapport optimal entre surface filtrante / volume corps

Elementi filtranti POLYPLEAT® con venturi incorporati per un ottimale rapporto superficie filtrante - volume corpo

### Features

- Standard 304 Stainless Steel Body
- Cleaning System Integrated in Weather Protection Cover
- Filter Element Fixing Clamps Remain Attached to Dust Collector During Element Removal
- Maintenance height = 920mm (3 ft)
- Integrated Body Flange
- Rounded cover
- High efficiency filter media

### Function

- Weatherproof Finish (Easily Turned into Food-Grade)
- Easy Access to Cleaning System and Filter Elements
- Safe Maintenance (No Hardware Lost)
- Easy Maintenance
- Robust Flanged Connection to Silo
- Easy and safe access
- Minimum dust emission

### Benefits

- Reduced Maintenance Costs Due to Increased Durability
- Reduced Maintenance Costs
- Increased Work Safety - Reduced Maintenance Costs
- Increased Work Safety - Reduced Maintenance Costs
- Highest Degree of Work Safety
- Safer maintenance
- Compliant with the most advanced health & safety standards

### Merkmale

- Gehäuse serienmäßig aus Edelstahl 1.4301
- Abreinigungssystem in Wetterhaube integriert
- Filterelemente-Klemmpratzen bleiben beim Elementtausch fest mit dem Filter verbunden
- Wartungshöhe = 920 mm
- Integrierter Gehäuseflansch
- Rundliche Deckung
- Filtermittel mit hohe Leistungsfähigkeit

### Funktion

- Wetterschutzfinish (auf Wunsch problemlos in nahrungsmitteltaugliche Version wandelbar)
- Abreinigungseinheit und Filterelemente leicht zugänglich
- Sichere Wartung (Schraubenmaterial unverlierbar)
- Einfache Wartung
- Robuste Flanschverbindung zum Silo
- Leichtes und sicheres Zutritt
- Minimale Staubproduktion

### Vorteile

- Geringere Wartungskosten dank höherer Lebensdauer
- Geringere Wartungskosten
- Höhere Arbeitssicherheit - Geringere Wartungskosten
- Höhere Arbeitssicherheit - Geringere Wartungskosten
- Höchstmögliche Arbeitssicherheit
- Sicherere Instandhaltung
- Mit meisten fortgeschrittenen Gesundheits- und Sicherheitsstandarden abgestimmt

### Caractéristiques

- Corps standard en acier inox 304
- Système de nettoyage intégré dans le capot
- Crapauds de fixation des éléments filtrants restent liés au filtre durant le remplacement des éléments
- Hauteur de maintenance = 920 mm
- Bride corps intégrée
- Couvercle rond
- Haute efficacité du dispositif filtrant

### Fonction

- Résistance aux intempéries (qualité alimentaire sur demande)
- Accès facile au système de nettoyage et aux éléments filtrants
- Maintenance sûre (la boulonnerie ne peut pas être perdue)
- Maintenance facile
- Raccordement sur silo par bride percée et boulons
- Accès sûr et facile
- Emission minimale de poussière

### Avantages

- Coûts de maintenance réduits grâce à une durée de vie importante
- Coûts de maintenance réduits
- Sécurité de travail augmentée - Coûts de maintenance réduits
- Sécurité de travail augmentée - Coûts de maintenance réduits
- Sécurité de travail plus élevée possible
- Entretien plus sûr
- Conforme aux plus hauts standards de la santé et de la sécurité

### Caratteristiche

- Corpo di serie in AISI 304
- Sistema di pulizia integrato nel coperchio
- Crapauds di fissaggio elementi filtranti restano attaccati al filtro durante la sostituzione degli elementi
- Altezza di manutenzione = 920 mm
- Flangia corpo integrata
- Coperchio rotondo
- Media filtrante di grande efficacia

### Funzione

- Resistenza alle intemperie (alimentare su richiesta)
- Facile accesso al sistema di pulizia e agli elementi filtranti
- Manutenzione sicura (la bulloneria non può essere persa)
- Manutenzione facile
- Collegamento robusto al silo a flangia
- Accesso facile e sicuro
- Minima emissione di polvere

### Vantaggi

- Costi di manutenzione più bassi grazie ad una durata più lunga
- Costi di manutenzione più bassi
- Sicurezza di lavoro maggiore - Costi di manutenzione più bassi
- Sicurezza di lavoro maggiore - Costi di manutenzione più bassi
- Sicurezza di lavoro più elevata possibile
- Manutenzione più sicura
- In conformità con gli standard più elevati riguardanti sicurezza e salute

### Seal Frame With Integrated Anti-Intrusion Grille

Elementhalterungsplatte mit integriertem Vogelschutzgitter

Plaque porte éléments avec grilles anti-volatiles intégrées

Piastra porta-elementi con griglie anti-intrusione integrate.

### Easy cover opening system with gas cylinder

Einfaches Öffnungssystem der Deckung mit pneumatischen Kolben

Un système facile d'ouverture du couvercle avec un piston pneumatique

Agevole sistema di apertura del coperchio con pistone pneumatico.

### Easy and safe dust emission sampling



### Easy and Safe Maintenance



155 North Port Road  
Port Perry, Ontario, Canada L9L 1B2

P. (905) 985-0789  
F. (905) 985-0570

contact@jmccoyequipment.com  
www.jmccoyequipment.com



> focused solutions for the  
Concrete Industries

## MOE INFORMATION REQUIRED FOR SILO FILTER SYSTEM CERTIFICATION

**Manufacturer:** Wam

**Model:** Silotop R01 (Cartridge)

**Filter Fabric:** Spunbound Polyester (8 oz, 10 Micron)

7 cartridges 926 mm x 425 mm

Maximum fabric temperature 176 degrees F

**Cleaning Mechanism:** Pulse Jet

**Volumetric Flow Rate:** 1,500 CFM (air to cloth ratio 6:1)

**Filter Area:** 24.2 m<sup>2</sup> or 264 sq. ft.

**Efficiency Rating:** 99.9% PM2.5

**Particulate Grain Loading:** Inlet 30 Outlet < 0.004 (grains/ft<sup>3</sup>)

Inlet 68,700 mg/m<sup>3</sup>, Outlet < 10 mg/m<sup>3</sup>

MOE Certification & Approvals (800) 461-6290 Asad Khaja

April 9<sup>th</sup> 2008



CEMENT WEIGH BIN EMISSIONS

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF NEW SOURCE REVIEW  
CONTROL DATA SHEET  
DUST COLLECTOR

MANUFACTURER AND MODEL: WAM FCIJO3

SPECIFY: BAGHOUSE  
CARTRIDGE---X  
OTHER (EXPLAIN)

NUMBER OF BAGS OR CARTRIDGES: 3

SIZES OF BAGS OR CARTRIDGES: 5.25" X 20"

TOTAL BAG OR CARTRIDGE AREA: 25 sq. ft.

MAXIMUM CAPACITY (ACFM): 150

BAG OR CARTRIDGE FABRIC: SPUNBOUND POLYESTER

FABRIC WEIGHT (OZ): 9

WEAVE: 10 MICRON

FINISH: COATED

MAXIMUM FABRIC TEMPERATURE (\*F): 150\*F

EFFICIENCY (%): 98% TO 99.9%

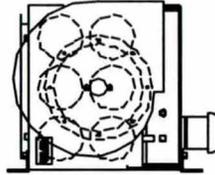
AIR TO CLOTH RATIO: 6:1

METHOD OF CLEANING: REVERSE AIR  
PULSE JET---X  
SHAKER

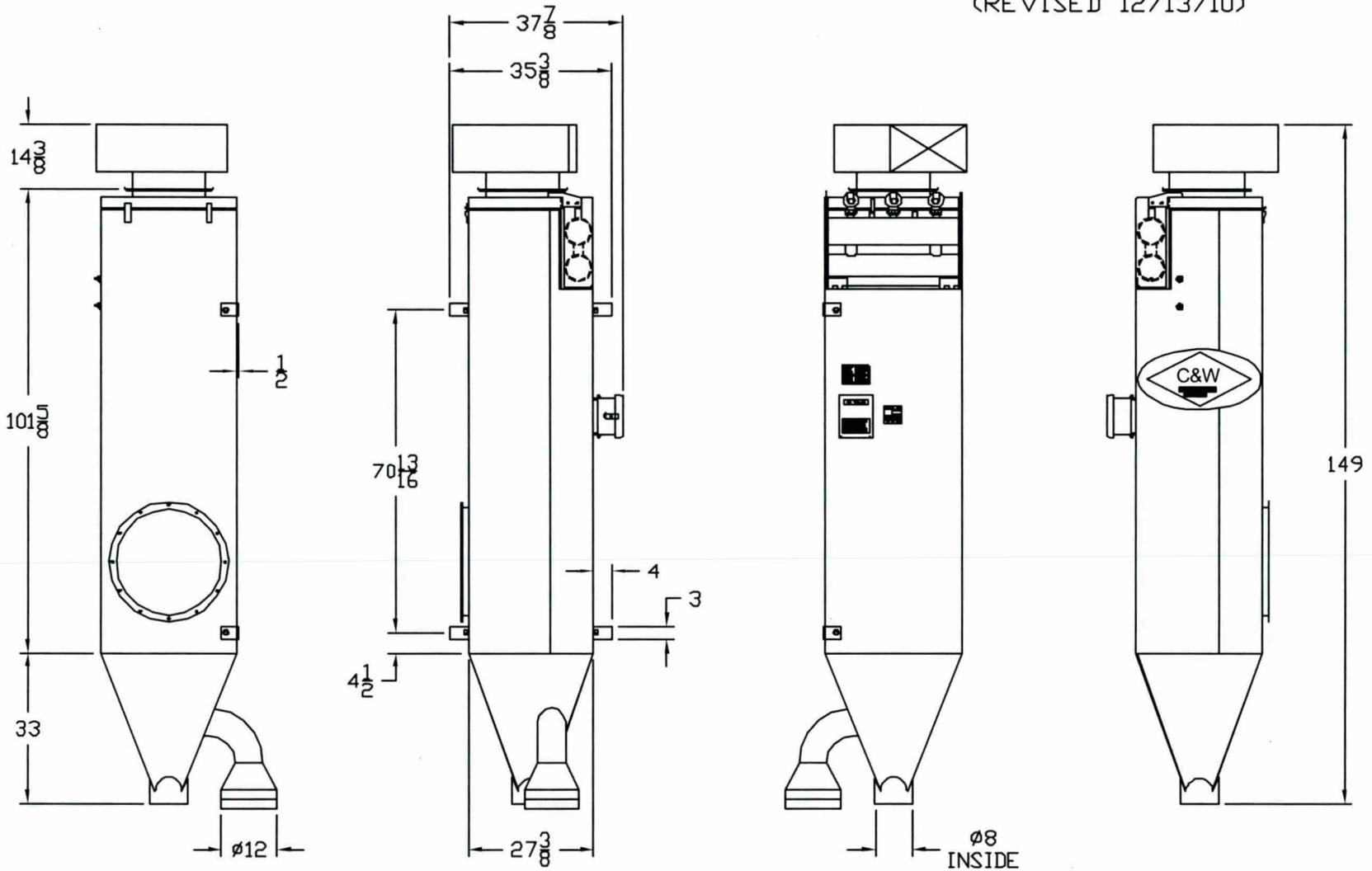
OPERATION PRESSURE DROP (INCHES OF WATER) MIN: 3 MAX 8

PARTICULATE GRAIN LOADING (GRAIN/SCF) INLET: 30 OUTLET: .01

FAN REQUIREMENTS HP: SCFM  
VENTING---X



CP535C-CEMCO W/ SPECIAL INLET  
GENERAL ARRANGEMENT  
(REVISED 12/13/10)



C & W MFG. & SALES CO.  
6933 SHELMOR RD.  
ALVARADO, TX 76009 (817)790-5000

C&W Loading point dust collector installed and adjusted to 5000 cfm by Cemco Inc.

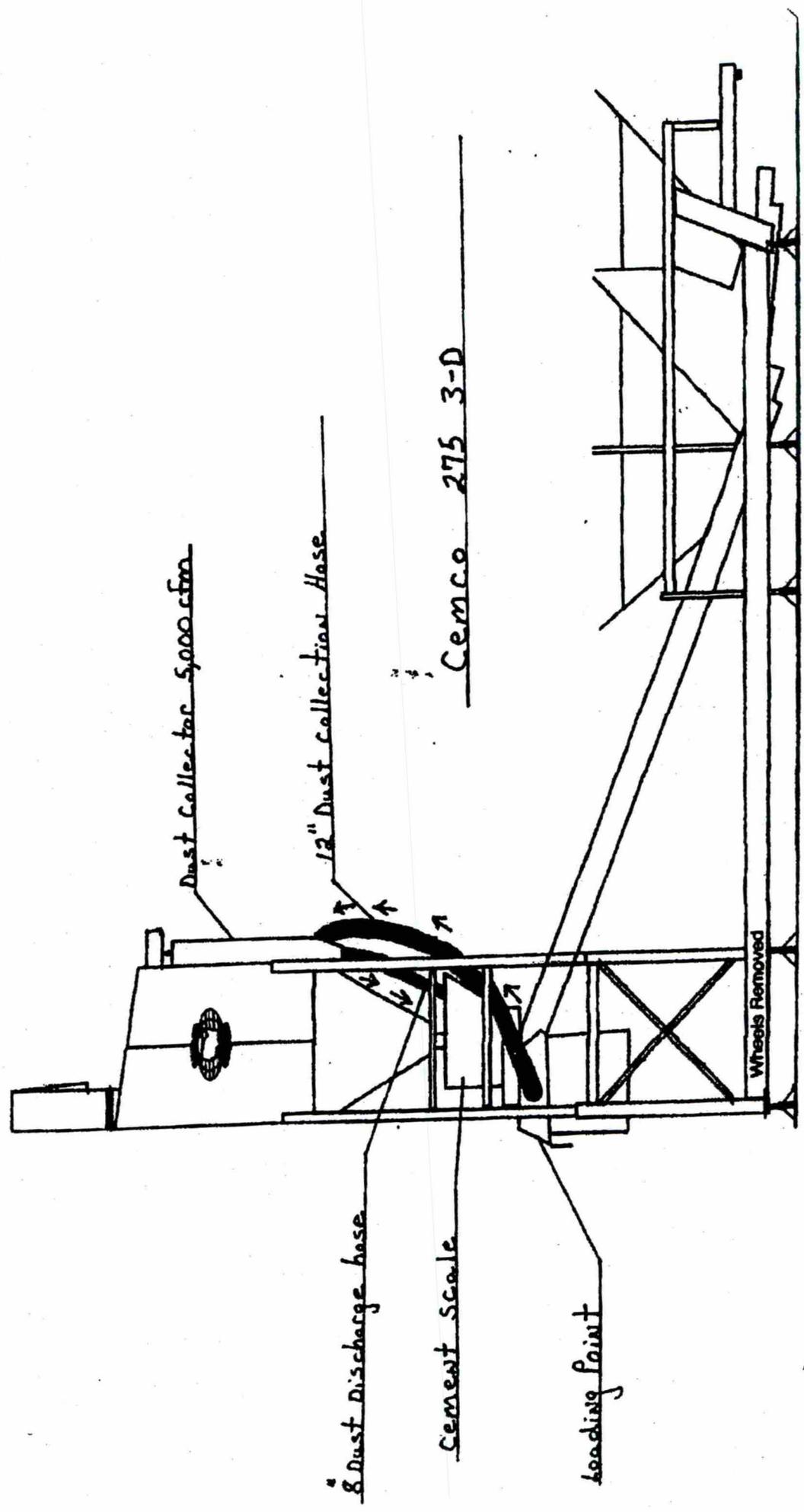
## SPECIFICATION FOR CP-535C

MODEL NUMBER	CP-535C
NUMBER OF CARTRIDGES	6
CARTRIDGE DIA. X LGTH (INCHES X INCHES)	8 X 78
NUMBER OF SOLENOIDS	3
TOTAL FILTRATION AREA (SQ. FT.)	535
FILTRATION AREA PER CARTRIDGES (SQ. FT.)	89.1
MIN. DESIGN EFFICIENCY	99.99%
AIR TO CLOTH RATIO (ACFM/SQ. FT.)	9.35
FILTRATION VELOCITY (FT./ MIN.)	9.35
BLOWER HORSEPOWER	10
STATIC PRESSURE of FAN	10" WC
NORMAL AIR CAPACITY (CFM)	5000
OUTLET AREA (SQ. FT.)	1.23
OUTLET VELOCITY (FT./SEC.)	68
OUTLET MOISTURE CONTENT	0
COMPRESSED AIR REQUIRED (CFM@100PSIG)	5
CLEANING MECHANISM	Pulse Jet
SOLENOID VALVE SIZE	1" dia

Ronnie Cobb  
VP Production  
Cemco Inc.

Office # 1-855-564-5855  
Cell # 1-940-704-2017  
Email [ronnie@cemcoinc.com](mailto:ronnie@cemcoinc.com)

The Dust collector runs at Every Batch. At the  
Cement weigh up of the next Batch, the Dust  
that was collected from the previous batch is  
Reclaimed into the cement scale.  
C+W Model # CP-535



# Cemco Model 275

3-D SN 12531211-252

75 ton aux silo 11351211-135

## Specification Sheet



## Cemco Model 275 Technical Specifications

The Cemco Model 275 is completely portable with leveling cylinders on all four corners of unit and a self-erecting 58 ton silo. The plant is completely self-contained, powered by an on board 140 Horsepower John Deere Diesel Engine.

### Aggregate Handling

The Plant can be configured with 2, 3, or 4 aggregate bins. Additional 12 cubic yard automatic feeder conveyors may be added per aggregate bin.

2-bin Aggregate Storage	
Aggregate Storage Bin	Storage (cubic yards)
Sand	10-15*
Rock	13-18*
3-bin Aggregate Storage	
Aggregate Storage Bin	Storage (cubic yards)
Sand	10-15*
Rock 1	13-18*
Rock 2	13-18*
4-bin Aggregate Storage	
Aggregate Storage Bin	Storage (cubic yards)
Sand	10-15*
Rock 1	13-18*
Rock 2	13-18*
Rock 3	13-18*

\*the higher storage ratings are achieved by adding bin extensions

Note: An additional 12 cubic yards can be added per aggregate bin by utilizing the automatic aggregate feeder conveyors.

Aggregate Gate Control		
Aggregate Storage Bin	Gate Area (in <sup>2</sup> )	Flow Control
Sand	336	Hydraulic inching clam gate*
Rock 1, 2, or 3	406	Hydraulic inching clam gate

\*Sand bin also has a computer controlled vibrator in order to foster flow

## Water Handling

The Model 275 Cemco Plant includes a hydraulically driven water pump which pushes water into an overhead water storage bin. The plant is hard wired to keep the storage tank full without operator interference. From the storage tank, water is gravity fed via a 6 inch, hydraulically actuated butterfly valve.

Water Pump	
Brand	Rated Maximum Flow
2 inch hydraulically driven Pacer Pump*	240 GPM (908 LPM)

\*The water pump can be upgraded to a 3 inch 280 GPM (1060 LPM)

Water Storage and Transfer		
Water Storage Bin	Capacity	Butterfly Gate size
Overhead Water Storage Tank	660 Gallons (2500 Liters)	6 inch
Water Weigh Batcher	400 Gallons (1500 Liters)	6 inch

## Cement Handling

The Model 275 batch plant includes a self-erecting 58 ton silo which feeds a cement weigh batcher via a 12 inch butterfly valve. The Cemco cement weigh batcher has a 10 inch flow controlled inching gate as well as a transfer screw and a vibrator in order to create a constant and controllable flow of cement based upon the users desired flow rate. In addition, aerators and a vibrator are included on the silo to increase weigh up speed. In the case of a clump in the cement silo, a guillotine plate and cutout have been provided so that the silo gate may be removed without cement spillage.

Cement Storage and Transfer		
Cement Silo/Weigh batcher	Capacity	Butterfly Gate size
Silo (self-erecting)	58 tons	12 inch
Cement Weigh Batcher	4 tons	10 inch inching gate

\*The batch plant comes standard with one 4" fill pipe. Additional fill pipes may be added.

Cement Weigh Batch Auger Specifications	
dimension (length x diameter)	50" x 10"
Max Motor Torque	8300 lbs-in (938 N-m)
Auger RPM (variable speed)	0-320 based upon hydraulic flow

\*The auger does not have to be running for cement to flow out of the gate; it simply helps maintain constant flow.

## Scale Capacities and Functionality

The Model 275 NTEP Certificate No. is 99-029.

NTEP approved scale capacities			
Scale	Nominal Capacity (lbs.)	Load Cell Capacity (lbs.)	Grad Size (lbs.)
Water	3,500	5,000	1
Cement	8,000	15,000	5
Aggregate	40,000	60,000	10

Scale Weighing Method	
Scale	Accumulative/Decumulative
Water	Accumulative
Cement	Accumulative
Aggregate	Decumulative*

\*If automatic aggregate feeder conveyors are used, then the Aggregate scales can accumulate

## Transfer Conveyors

All transfer conveyors are hydraulically driven. As such, they can start under full load and their speeds are easily adjustable.

Transfer Conveyor Specifications			
Belt Location	Torque	Belt Speed	Belt Width
Plant Conveyor	19560 lbs-in (2210 N·m)	0-400 ft./min	30 inches*
Aggregate Feed Conveyor	10475 lbs-in (1184 N·m)	0-400 ft./min	30 inches

\*36 inch plant conveyors are an option

## Pneumatic System

The Batch plant has an onboard, hydraulically driven 50 CFM air compressor which supplies air for all pneumatic functions. All air storage tanks have a manual water drain for periodic maintenance. In addition, Cemco utilizes a parker filter and automatic water drain just after the air is compressed as well as a Wilkerson automatic particulate filter with automatic water drain further downstream to capture additional water droplets once the air has cooled from initial compression.

Two Wilkerson oilers are used to oil plant vibrators. Each oiler allows the operator to adjust oil flow to the vibrators.

Standard Pneumatic Functions	
Function	Air Consumption if used continuously
Silo Dust Collector Pulse Jets	2.65 CFM @ 87 psi
Cement Weigh Batcher Dust Collector Pulse Jets	1 CFM @ 87 psi
Vibrators	7.1 CFM @ 87 psi
Vibra-Pad Aerators (pulsing)	10-15 CFM @ 7-15 psi
Central Dust Collector*	5-12 CFM @ 90-100 psi

\*The 4,000CFM Central Dust Collector is an option and comes silo mounted (does not need separate trailer and does not affect the portability of the plant)

## Dust Collection

Cemco batch plants come standard with a silo top and cement weigh batcher dust collectors. As an option, a load point dust collector may be purchased.

WAM R01 Silo Top Dust Collector	
Cartridge Area	264 ft. <sup>2</sup>
Cartridge Material / weave	Spun Polyester / 10 micron
Efficiency	99.8 – 99.9 %
Air to Cloth ratio	6:1
Method of Cleaning	Pulse Jet
Maximum Capacity	1500 ACFM
Collection Type	Venting

\*If 2-3 fill pipes are required, then an additional silo top dust collector must be added. The standard plant comes with one 4" fill pipe and one silo top dust collector.

WAM Cement Weigh Batcher Dust Collector	
Cartridge Area	25 ft. <sup>2</sup>
Cartridge Material / weave	Spun Polyester / 10 micron
Efficiency	98 – 99.9 %
Air to Cloth ratio	6:1
Method of Cleaning	Pulse Jet
Maximum Capacity	150 ACFM
Collection Type	Venting

Cemco's optional central dust collector is a C & W CP-535-678. The dust collector does not have any effect on portability as it pulls with the plant and is literally mounted directly to the silo. When the silo

<http://www.cemcoinc.com>

self erects the dust collector rises along with it. The dust collector is mounted on the bottom portion of silo in between the plant frame and the conveyor belt.

The Central Dust Collector is hardwired to collect dust whenever a load is discharging. During the next load's weigh up, dust from the previous load is deposited into the cement weigh batcher. In this manner the central dust collector's filters are cleaned every time a batch is weighed up.

<b>C &amp; W CP-535-678 Load Point Dust Collector</b>	
Cartridge Area	535 ft. <sup>2</sup>
Efficiency	99.99%
Air to Cloth ratio	7.48:1
Method of Cleaning	Pulse Jet
Normal Air Capacity	5000 <del>4,000</del> CFM
Collection Type	Blower (Suction)

Aggregates are trucked to the site and placed in stockpiles (OS1 & OS2). Stockpiles are watered as necessary to maintain a saturated surface damp condition. A front end loader is used to pile materials and charge weigh hoppers (WH1, WH2 & WH3). These aggregate hoppers decumulate weight by means of the batch computer and eliminate the need for any additional drop into a weigh scale.

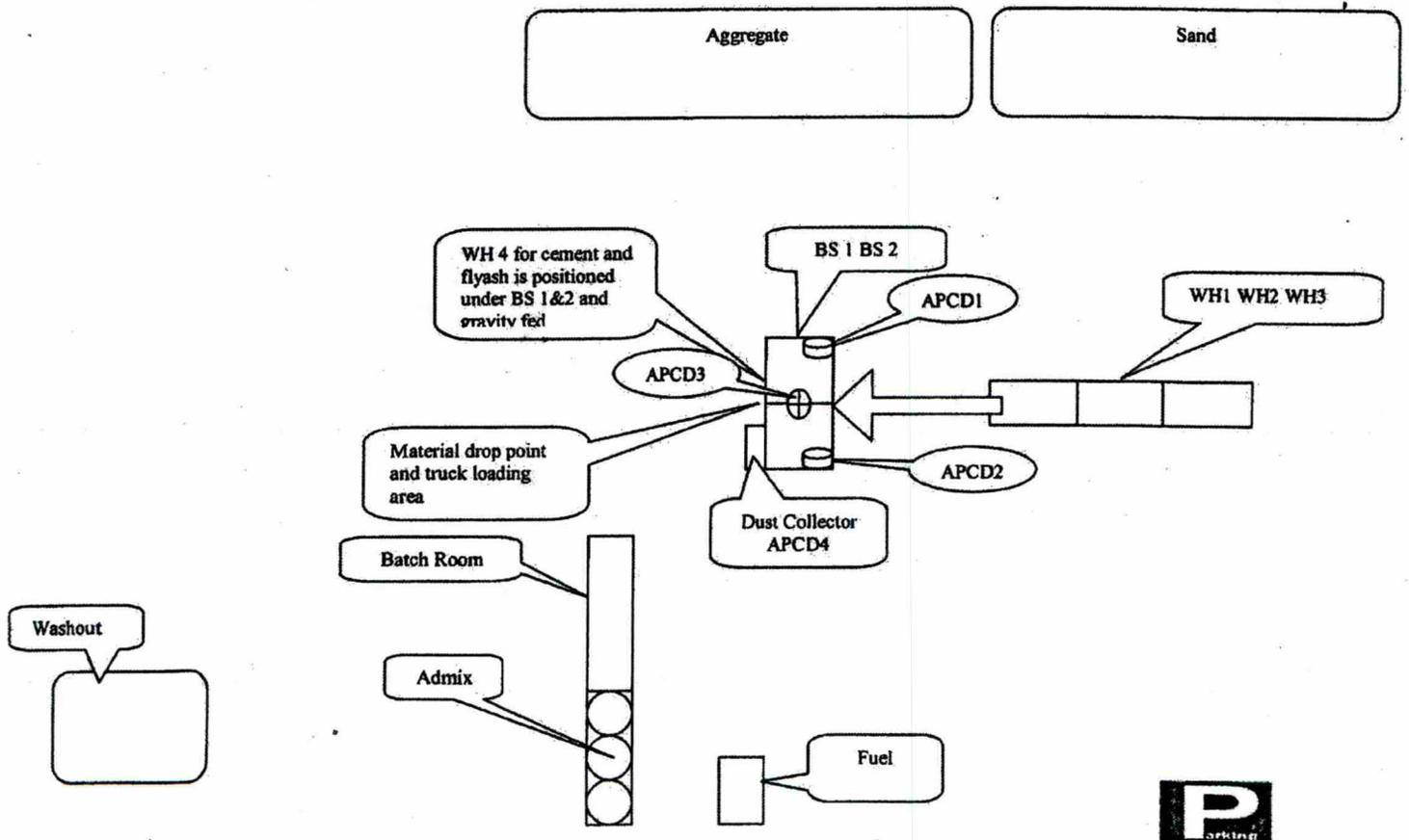
Cement and fly ash is trucked to the site and loaded pneumatically into BS1 & BS2 directly or into a storage bin (pigs) that are vented into the Bulk Storage silos. This is all done as a closed system with dust captured by air pollution control devices APCD1 & APCD2 (WAM Silotop Venting Filters). Ready mix trucks back under the cement weigh hopper (WH4, surrounded on three sides by a rubber shroud). Cement and fly ash are weighed consecutively. This is a closed system with air displaced through APCD3 (WAM FCIJ03). This is also the transfer point where aggregates are loaded into the truck along with the cement and fly ash. Any dust at this point is captured by a central 5000 acf dust collector. APCD4 (C&W CP535C).

(See Concrete Batching Process diagram)

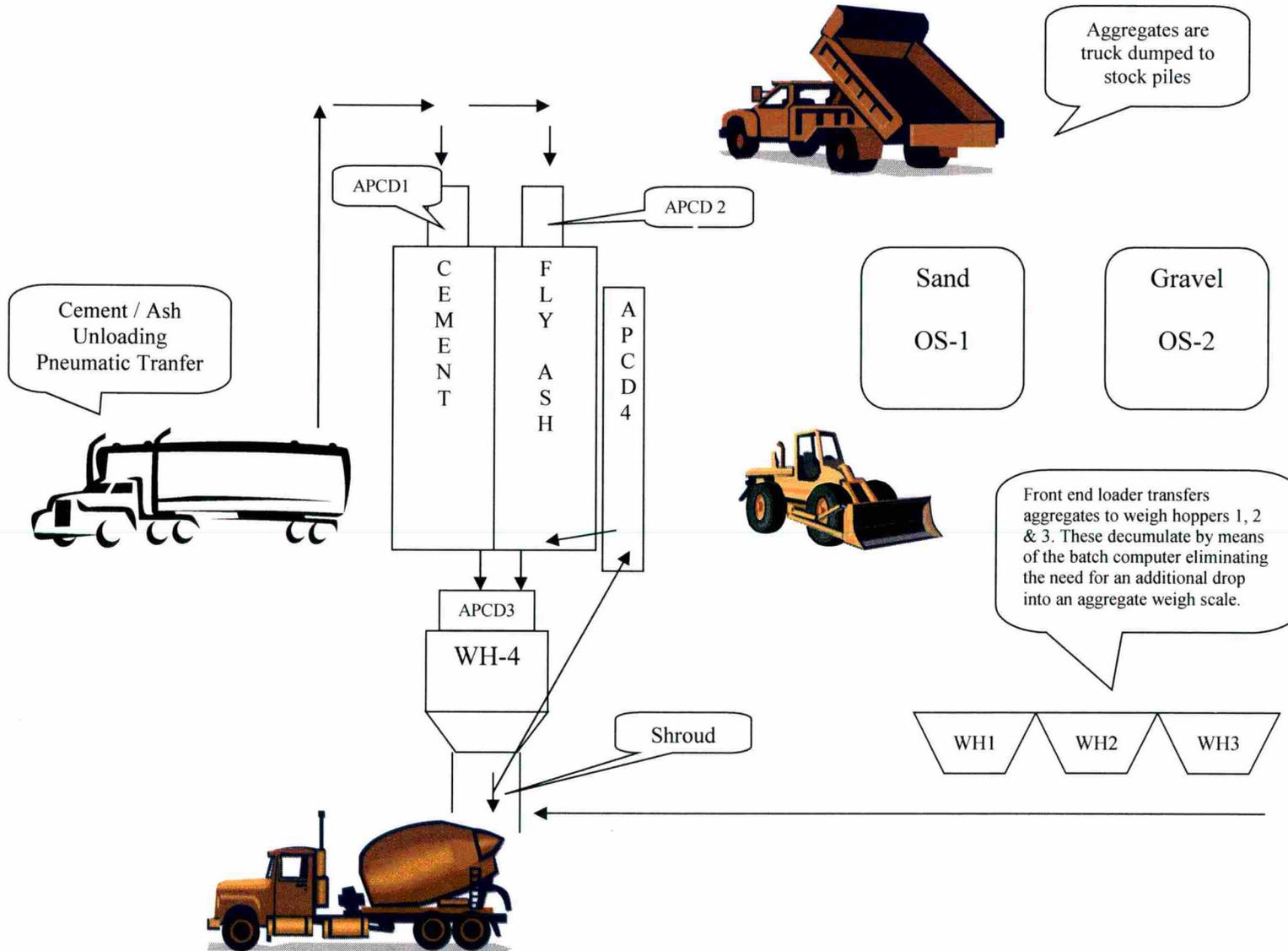
Washout pits (if necessary), are written in to our contracts to be built and maintained by the owner or general contractor. These pits are plastic lined and bermed and removed from the site as necessary by the general contractor. As a sub-contractor we are covered by the owners SWPPP plan.

Fuel is delivered by trucks to our site and transferred to a double-walled tank inside a berm that is designed to hold 1 and 1/2 times the total of the tank.

Admixtures are located inside covered and floored storage sheds, and transferred to the transfer point by rubber hoses. The weigh bottles are inside the batch office and visually monitored during the filling and emptying process.



# Golden Spread Redi-Mix, Inc



**Concrete Batching Process**

## Golden Spread Emission Calculations

The emission rate for this facility (Cemco #275) was calculated using US EPA, AP-42 Fifth edition, Volume 1, Chapter 11: Mineral products Industry, part 11.12-Concrete Batching.

This facility will be open for operation 10 hours per day 6 days per week for 26 weeks. This is equivalent to 1560 hours. Maximum hourly production will be 120 cubic yards per hour. Maximum daily production will be 1200 cubic yards per day or an annual maximum of 108000 cubic yards.

Using AP-42 emission factors of .0731 pounds per cubic yard for PM  
.0239 pounds per cubic yard for PM-10

The following emissions are calculated:

$$\text{PM pounds per hour} = 120 \text{ cyds} \times .0731 \text{ lbs/cyd} = 8.772$$

$$\text{PM-10 pounds per hour} = 120 \text{ cyds} \times .0239 \text{ lbs/cyd} = 2.86$$

$$\text{PM tons per year} = (108000 \text{ cyds} \times .0731 \text{ lbs/cyd}) / 2000 = 3.94$$

$$\text{PM-10 tons per year} = (108000 \text{ cyds} \times .0239 \text{ lbs/cyd}) / 2000 = 1.29$$

**TABLE 11.12-5 (ENGLISH UNITS)  
PLANT WIDE EMISSION FACTORS PER YARD OF TRUCK MIX CONCRETE <sup>a</sup>**

	Uncontrolled		Controlled	
	PM (lb/yd <sup>3</sup> )	PM-10 (lb/yd <sup>3</sup> )	PM (lb/yd <sup>3</sup> )	PM-10 (lb/yd <sup>3</sup> )
Aggregate delivery to ground storage (3-05-011-21)	0.0064	0.0031	0.0064	0.0031
Sand delivery to ground storage (3-05-011-22)	0.0015	0.0007	0.0015	0.0007
Aggregate transfer to conveyor (3-05-011-23)	0.0064	0.0031	0.0064	0.0031
Sand transfer to conveyor (3-05-011-24)	0.0015	0.0007	0.0015	0.0007
Aggregate transfer to elevated storage (3-05-011-04)	0.0064	0.0031	0.0064	0.0031
Sand transfer to elevated storage (3-05-011-05)	0.0015	0.0007	0.0015	0.0007
Cement delivery to Silo (3-05-011-07 controlled)	0.0002	0.0001	0.0002	0.0001
Cement supplement delivery to Silo (3-05-011-17 controlled)	0.0003	0.0002	0.0003	0.0002
Weigh hopper loading (3-05-011-08)	0.0079	0.0038	0.0079	0.0038
Truck mix loading (3-05-011-10)	See Equation 11.12-2			

**TABLE 11.12-6 (ENGLISH UNITS)  
PLANT WIDE EMISSION FACTORS PER YARD OF CENTRAL MIX CONCRETE <sup>a</sup>**

	Uncontrolled		Controlled	
	PM (lb/yd <sup>3</sup> )	PM-10 (lb/yd <sup>3</sup> )	PM (lb/yd <sup>3</sup> )	PM-10 (lb/yd <sup>3</sup> )
Aggregate delivery to ground storage (3-05-011-21)	0.0064	0.0031	0.0064	0.0031
Sand delivery to ground storage (3-05-011-22)	0.0015	0.0007	0.0015	0.0007
Aggregate transfer to conveyor (3-05-011-23)	0.0064	0.0031	0.0064	0.0031
Sand transfer to conveyor (3-05-011-24)	0.0015	0.0007	0.0015	0.0007
Aggregate transfer to elevated storage (3-05-011-04)	0.0064	0.0031	0.0064	0.0031
Sand transfer to elevated storage (3-05-011-05)	0.0015	0.0007	0.0015	0.0007
Cement delivery to Silo (3-05-011-07 controlled)	0.0002	0.0001	0.0002	0.0001
Cement supplement delivery to Silo (3-05-011-17 controlled)	0.0003	0.0002	0.0003	0.0002
Weigh hopper loading (3-05-011-08)	0.0079	0.0038	0.0079	0.0038
Central mix loading (3-05-011-09)	See Equation 11.12-2			

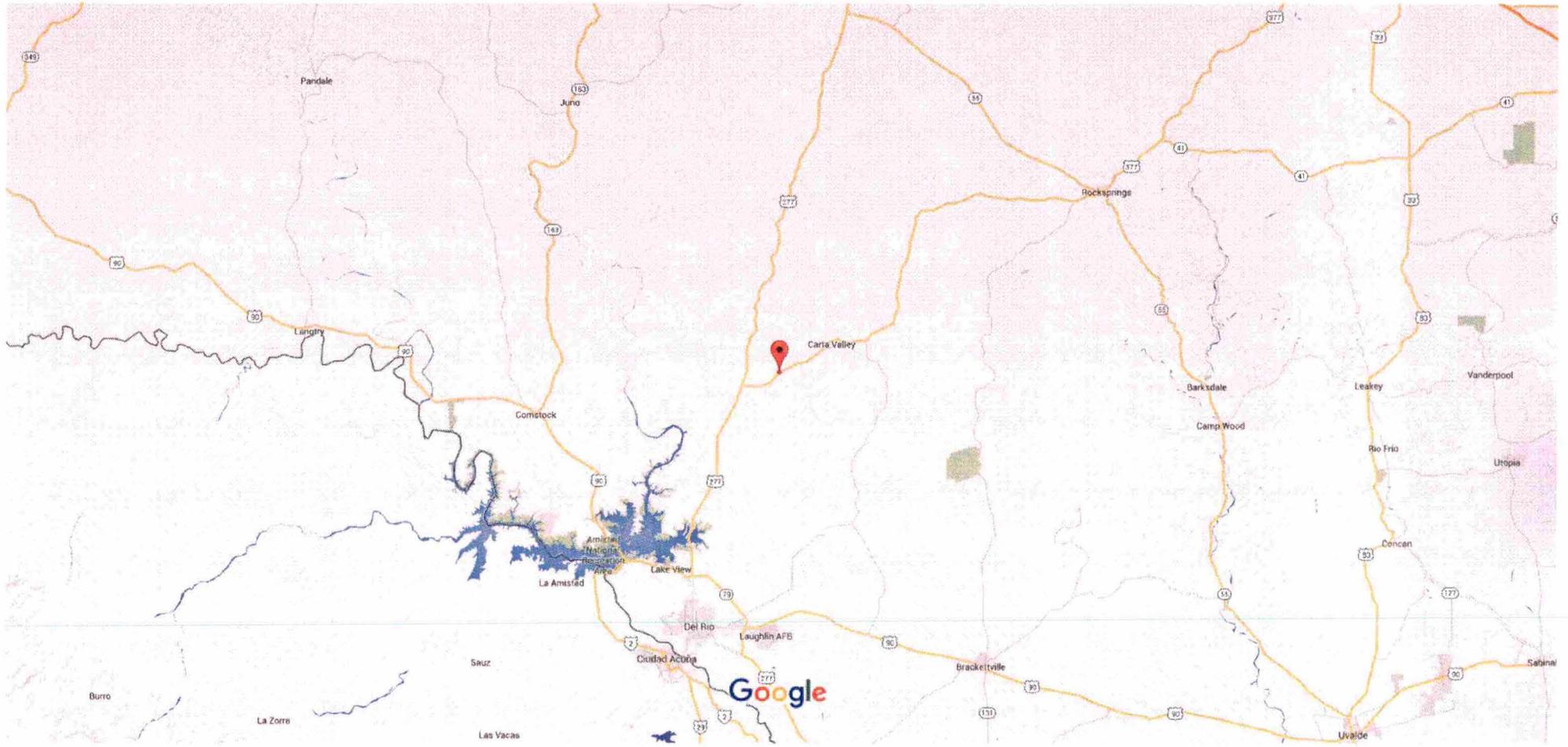
<sup>a</sup> Total facility emissions are the sum of the emissions calculated in Tables 11.12-4 or 11.12-5. Total facility emissions do not include road dust and wind blown dust. The emission factors in Tables 11.12-4 and 11.12-5 are based upon the following composition of one yard of concrete.

Coarse Aggregate	1865. pounds
Sand	1428. pounds
Cement	491. pounds
Cement Supplement	73. pounds
Water	20. gallons (167 pounds)

TABLE 11.12-2 (ENGLISH UNITS)  
EMISSION FACTORS FOR CONCRETE BATCHING <sup>a</sup>

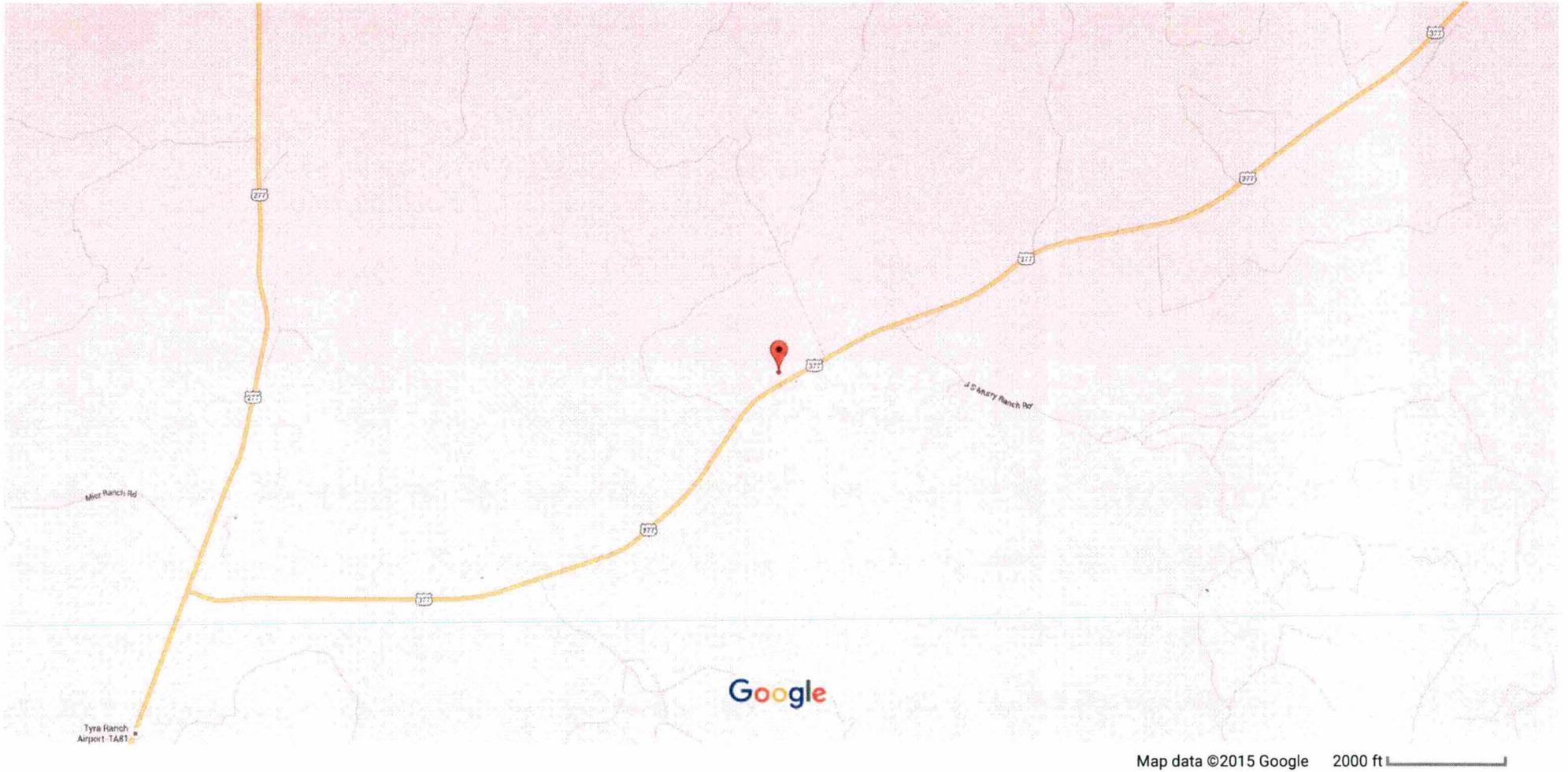
Source (SCC)	Uncontrolled				Controlled			
	Total PM	Emission Factor Rating	Total PM <sub>10</sub>	Emission Factor Rating	Total PM	Emission Factor Rating	Total PM <sub>10</sub>	Emission Factor Rating
Aggregate transfer <sup>b</sup> (3-05-011-04,-21,23)	0.0069	D	0.0033	D	ND		ND	
Sand transfer <sup>b</sup> (3-05-011-05,22,24)	0.0021	D	0.00099	D	ND		ND	
Cement unloading to elevated storage silo (pneumatic) <sup>c</sup> (3-05-011-07)	0.72	E	0.46	E	0.00099	D	0.00034	D
Cement supplement unloading to elevated storage silo (pneumatic) <sup>d</sup> (3-05-011-17)	3.14	E	1.10	E	0.0089	D	0.0049	E
Weigh hopper loading <sup>e</sup> (3-05-011-08)	0.0051	D	0.0024	D	ND		ND	
Mixer loading (central mix) <sup>f</sup> (3-05-011-09)	0.544 or Eqn. 11.12-1	B	0.134 or Eqn. 11.12-1	B	0.0173 or Eqn. 11.12-1	B	0.0048 or Eqn. 11.12-1	B
Truck loading (truck mix) <sup>g</sup> (3-05-011-10)	0.995	B	0.278	B	0.0568 or Eqn. 11.12-1	B	0.0160 or Eqn. 11.12-1	B
Vehicle traffic (paved roads)	See AP-42 Section 13.2.1, Paved Roads							
Vehicle traffic (unpaved roads)	See AP-42 Section 13.2.2, Unpaved Roads							
Wind erosion from aggregate and sand storage piles	See AP-42 Section 13.2.5, Industrial Wind Erosion							

Google Maps 29°44'52.9"N 100°45'38.6"W

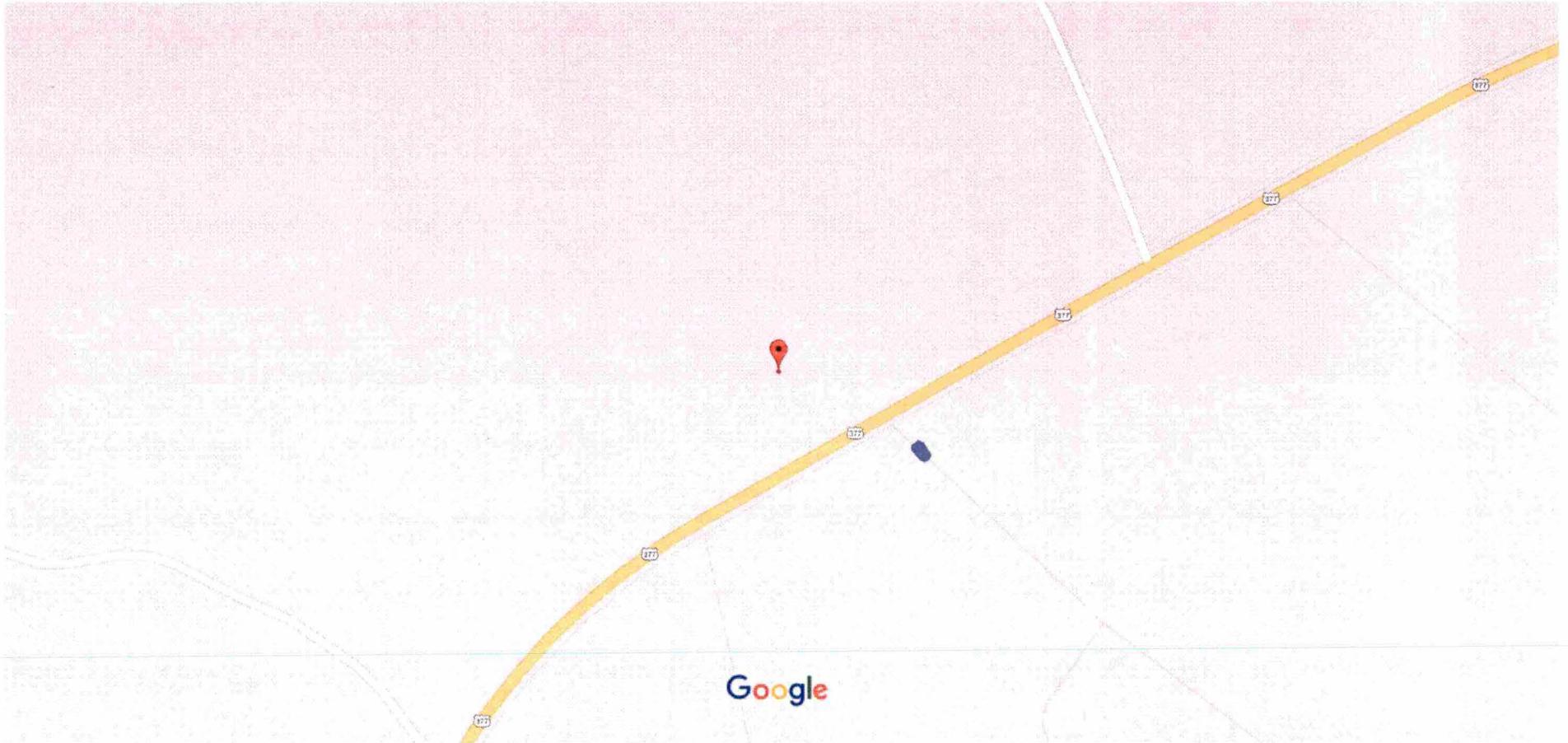


Map data ©2015 Google, INEGI 5 mi

Google Maps 29°44'52.9"N 100°45'38.6"W



Google Maps 29°44'52.9"N 100°45'38.6"W

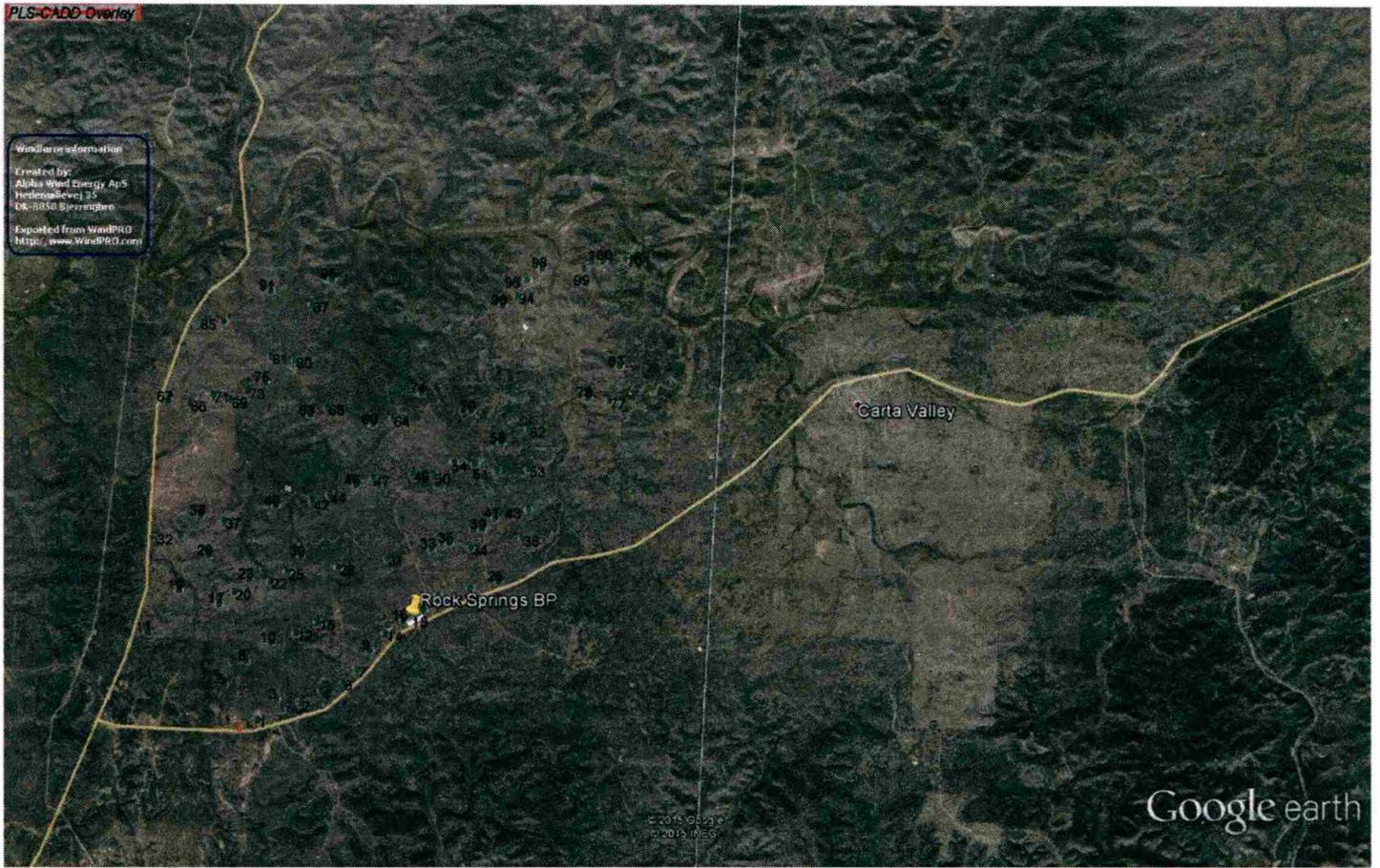


Map data ©2015 Google 200 ft

29°44'52.9"N 100°  
45'38.6"W  
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PLS-CADD Overlay

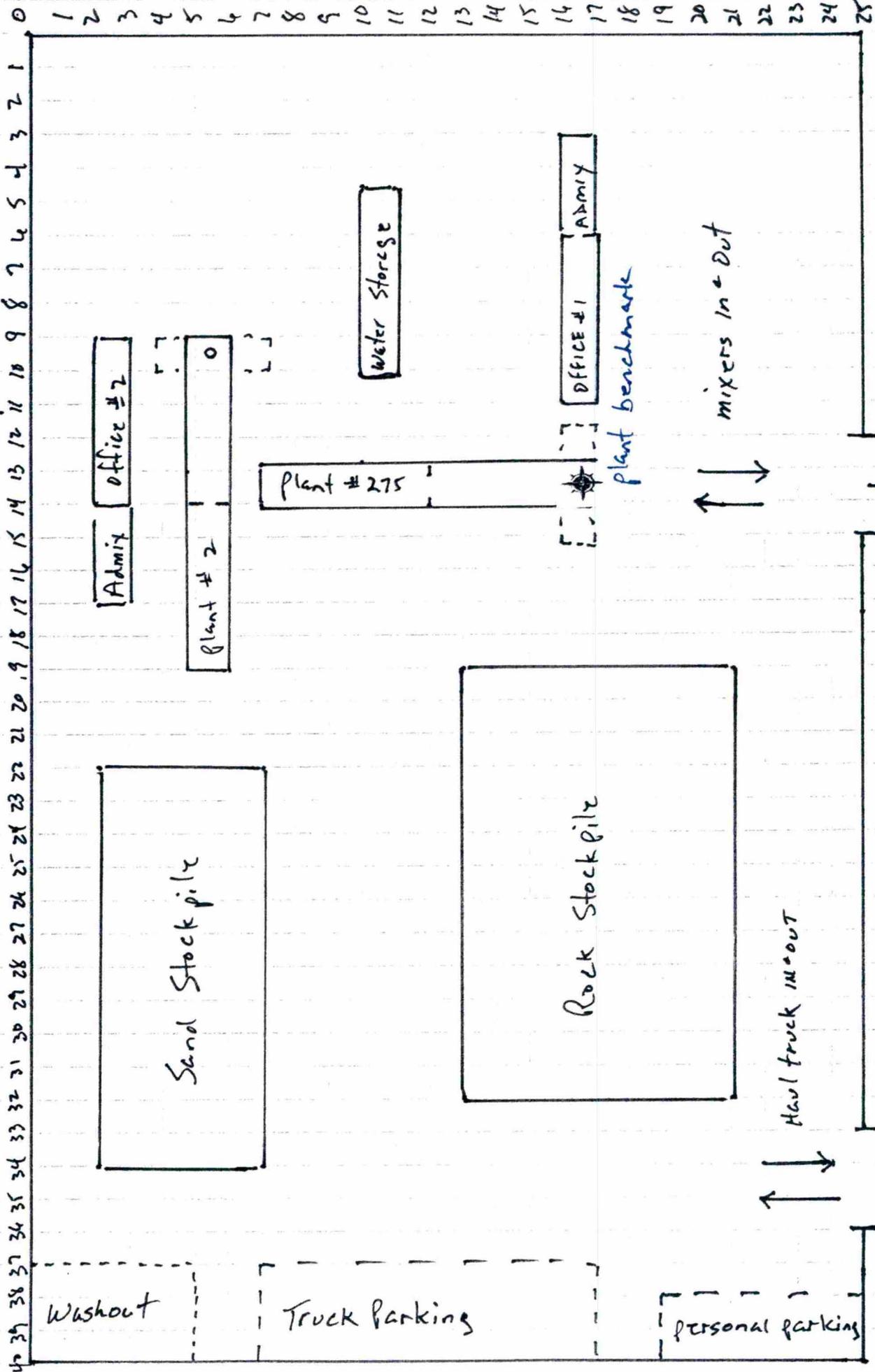
Wind farm information  
Created by:  
Alpha Wind Energy ApS  
Hedemøllevej 35  
DK-8350 Bjerrngholm  
Exported from WindPRO3  
<http://www.WindPRO3.com>



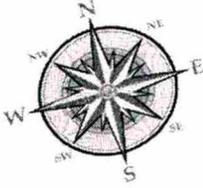
Google earth



250' x 400'  
159 = 10'



U.S. - 377 N  
To: ←



The owner (Edison Energy, through Mortenson Construction) has provided us a 250' x 400' lot for our batch plant site, app. 25 miles north of Del Rio, Val Verde Co., TX. This lot is in a 7 acre laydown yard within a 27 sq. mile boundary known as Rock Springs Wind.

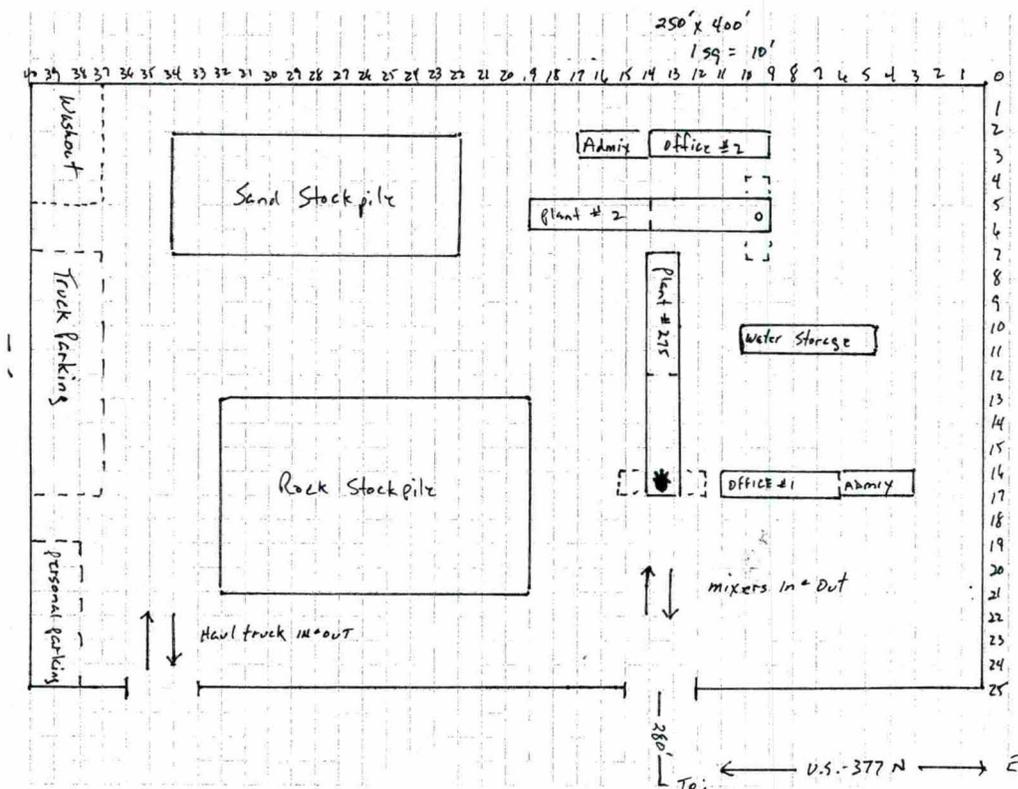
2144' to West boundary (Un-named road), 3328' to North boundary (Un-named road), 1555' to East boundary (Un-named road) and 360' to South boundary (Hwy US-377N)

Drop point is 1500 yards to nearest non-industrial receptor.



**PLANT BENCHMARK** Description: Cement Silo / Material Drop Point

Zone 47      Lat 29 44' 52.86"      Northing 3292162.4  
 Long 100 45' 38.58"      Easting 670258.1



# GOLDEN SPREAD REDI-MIX INC.

P.H.

P.O. BOX 31660  
AMARILLO, TEXAS 79120  
806-373-4951  
806-379-6548 Fax  
806-676-4344 Cell  
[mmayfield@goldenspreadrm.com](mailto:mmayfield@goldenspreadrm.com)

September 23, 2015

TCEQ  
Air Permitting Department

RE: New Air Permits

To Whom It May Concern:

We are asking for an Expedited Air Permit. Please find enclosed a PI-1S application for a new Air Quality Permit. This application is for two plants for a single wind project, (Rock Springs Wind) located app 25 miles north of Del Rio, Val Verde Co, TX. We plan to place the plants on the same 250' x 400' pad and use one plant and have the other available only as a back-up. We anticipate no time that both plants would operate at the same time, but if that were to happen we would still be under the 300 cubic yards per hour maximum. These plants have a capacity of 120 and 120 cubic yards per hour respectively.

Thank you for your consideration of this permit application. If you need anything further, please advise.

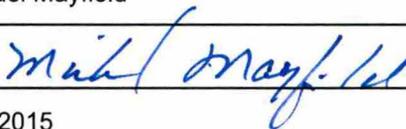
Sincerely,



Michael Mayfield  
Quality Control

Enc.

## Form APD-EXP Expedited Permitting Request

<b>I. Contact Information</b>	
Company or Other Legal Customer Name: Golden Spread Redi-Mix, Inc.	
Customer Reference Number (CN): 600134712	
Regulated Entity Number (RN): 106315484	
Company Official or Technical Contact Name: Michael Mayfield	
Phone Number: 806-373-4951	
Email: mmayfield@goldenspreadrm.com	
<b>II. Project Information</b>	
Facility Type: Temporary Concrete Plant	
Permit Number:	
Project Number:	
<b>III. Economic Justification</b>	
The purpose of the application associated with this request to expedite will benefit the economy of this state or an area of this state.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<b>IV. Delinquent Fees and Penalties</b>	
Applications will not be expedited if any delinquent fees and/or penalties are owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: <a href="http://www.tceq.texas.gov/agency/delin/index.html">www.tceq.texas.gov/agency/delin/index.html</a> .	
<b>V. Signature</b>	
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. As the applicant, I commit to fulfilling all expectations of the expedited permitting program and application requirements promptly. Failure to meet any expectation or requirement may cause my application to be removed from the expedited permitting program and possibly voided at the discretion of the TCEQ Executive Director. 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: Michael Mayfield	
Signature: 	
Date: 09/23/2015	

Reset Form