

**DNREC – Division of Air Quality
Application to Construct, Operate, or Modify
Stationary Sources**

Administrative Information

*One original and one copy of All Application Forms Should Be Mailed To:
Air Quality Management
100 West Water Street, Suite 6A
Dover, DE 19904*

*All Checks Should Be Made Payable To:
State of Delaware*

<u>Company and Site Information</u>	
1.	Company Name: Walan Specialty Construction Products LLC
2.	Company Mailing Address: 719 Tarrtown Road City: Adrian State: PA Zip Code: 16210
3.	Site Name: Walan Specialty Construction Products LLC
4.	Site Mailing Address: 501 Christiana Avenue <i>(if different from above)</i> City: Wilmington State: DE Zip Code: 19801
5.	Physical Location of Site: <i>(if different from above)</i> City: State: Zip Code:
6.	Site Billing Address: <i>(if different from above)</i> City: State: Zip Code:
7.	Air Quality Management Facility ID Number:
8.	Site NAICS Code: 327992 <i>(list all that apply)</i>
9.	Site SIC Code: 3295 <i>(list all that apply)</i>
10.	Site Location Coordinates: Latitude: 39 ° 43' 37" Longitude: 75 ° 32' 08"
11.	Is the Facility New or Existing? <input checked="" type="checkbox"/> NEW <input type="checkbox"/> EXISTING
<i>If the Facility is an Existing Facility, Complete the Rest of Question 11. If Not, Proceed to Question 12.</i>	
11.1.	Does the Facility Have Active Air Permits? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
12.	Is this Application For New Equipment or a Modification to Existing Equipment? <input checked="" type="checkbox"/> New Equipment <input type="checkbox"/> Modification of Existing Equipment <input type="checkbox"/> Other (Specify):
<i>If the application is for the modification of existing equipment, complete the rest of Question 12. If not, proceed to Question 13.</i>	



Generic Process Equipment Application

If you are using this form electronically, press F1 at any time for help

General Information	
1.	Facility Name: Walan Specialty Construction Products LLC
2.	Equipment ID Number: GBFS Handling, Grinding and Storage
3.	Provide a brief description of Equipment or Process: GBFS is received from the Port of Wilmington by truck, stockpiled, fed by front-end loader, via a hopper, to the "Ready2Grind" grinding/drying equipment. Upon grinding the fine particles, captured by a baghouse, are fed by bucket elevator to two-1,100 ton storage silos equipped with bin vents. The ground GBFS is loaded into enclosed trucks through dustless loadout chutes controlled by cartridge filters.
4.	Manufacturer: See equipment information in Exhibit 4
5.	Model:
6.	Serial Number:

Raw Material Information			
7. Raw Materials Used in Process			
If there are more than four Raw Materials used, attach additional copies of this page as needed.			
<u>Raw Material Used</u>	<u>CAS Number</u>	<u>Usage Rate (include units)</u>	<u>MSDS Attached?</u>
7.1. Granulated blast furnace slag (GBFS)	N/A	30 tons/hour	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
7.2.			<input type="checkbox"/> YES <input type="checkbox"/> NO
7.3.			<input type="checkbox"/> YES <input type="checkbox"/> NO
7.4.			<input type="checkbox"/> YES <input type="checkbox"/> NO
Attach a copy of all calculations made to support the data in the table above. Attach a Material Safety Data Sheet (MSDS) for <u>each</u> Raw Material used.			

Products Produced Information			
8. Products Produced			
If there are more than four Products Produced, attach additional copies of this page as needed.			
<u>Product Produced</u>	<u>CAS Number</u>	<u>Production Rate (include units)</u>	<u>MSDS Attached?</u>
8.1. Ground GBFS (GGBFS)	N/A	30 tons/hour	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
8.2.			<input type="checkbox"/> YES <input type="checkbox"/> NO
8.3.			<input type="checkbox"/> YES <input type="checkbox"/> NO
8.4.			<input type="checkbox"/> YES <input type="checkbox"/> NO

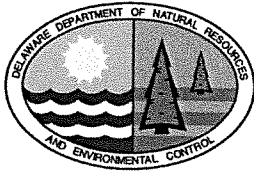


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Silo Application

If you are using this form electronically, press F1 at any time for help

<u>General Information</u>		
1. Facility Name: Walan Specialty Construction Products LLC		
2. Equipment ID Number: Two (2) 1,100 Ton Storage Silos		
3. Manufacturer: Concrete Plants, Inc.		
4. Model:		
5. Serial Number:		
6. Silo Type: <input checked="" type="checkbox"/> Tower Silo <input type="checkbox"/> Bunker Silo <input type="checkbox"/> Other (Specify):		
7. Number of Compartments in Silo: One		
8. Material Stored in Silo:		
If there are more than three Materials Stored in the Silo, attach additional copies of this page as needed		
<u>Material</u>	<u>Material Density</u>	<u>Compartment Stored In</u>
8.1. Ground granulated blast furnace slag (GGBFS)	175 pounds/cubic foot	
8.2.	tons/cubic foot	
8.3.	tons/cubic foot	
Attach a Material Safety Data Sheet (MSDS) for <u>each</u> Material Stored in the Silo.		
9. Silo Storage Capacity: 1,100 tons		
10. Silo Loading Method: <input type="checkbox"/> Pneumatic <input type="checkbox"/> Vacuum <input type="checkbox"/> Hydraulic <input type="checkbox"/> Other (Specify): <input checked="" type="checkbox"/> Mechanical		
11. Maximum Rate of Silo Loading: 30 (projected) / 70 (max) tons/hour		
12. Is the Silo Equipped With a Pressure-Vacuum Relief Valve? <input type="checkbox"/> YES <input type="checkbox"/> NO		
<i>If YES, complete the rest of Question 12. If NO, proceed to Question 13.</i>		
12.1. Describe the Pressure Relief Valve Settings:		
13. Is the Silo Equipped With a System That Prevents Overfilling? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
<i>If YES, complete the rest of Question 13. If NO, proceed to Question 14.</i>		
13.1. Describe the Overfilling Prevention System: Level indicator used		



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Form AQM-4.6
Page 1 of 4

Baghouse Application

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<u>General Information</u>	
1.	Facility Name: Walan Specialty Construction Products LLC
2.	Equipment ID Number: Grinding Mill with Integral /Heater
3.	Manufacturer: Redecam
4.	Model: 2 DPZ 60x10/7-W
5.	Serial Number:
6.	Is the Baghouse Insulated? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
7.	Design Minimum Operating Temperature: °F
8.	Design Maximum Operating Temperature: 257 °F
9.	Are Temperature Controls Provided? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If Yes, complete the rest of Question 9. If no, proceed to Question 10.</i>	
9.1.	Describe the Temperature Controls:
10.	Air Flow Through Baghouse: <input type="checkbox"/> Forced <input checked="" type="checkbox"/> Induced <input type="checkbox"/> Other (Specify):
11.	Direction of Flow Through Filters: <input type="checkbox"/> Inside Out <input checked="" type="checkbox"/> Outside In
12.	Particulate Removal Efficiency: 99.9+ %
Attach the Manufacturer's Specification Sheet for the Baghouse and Particle Size Removal Efficiency Curve and basis of determination.	

<u>Compartment Information</u>	
13.	Number of Compartments: Two
14.	Number of Filters (Bags) Per Compartment: 600
15.	Can the Compartments be Isolated for Replacement or Repair? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<u>Gas Stream Information</u>	
16.	Maximum Inlet Volumetric Gas Flow Rate: design value with 80-85% recirculated - 136,550 acfm at 70 °F
17.	Maximum Outlet Volumetric Gas Flow Rate: stack exhaust gas - 17,870 acfm at 207 °F
18.	Dew Point at Maximum Moisture Content of Gas: °F



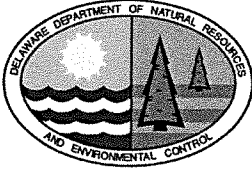
Baghouse Application

If you are using this form electronically, press F1 at any time for help

<u>General Information</u>	
1.	Facility Name: Walan Specialty Construction Products LLC
2.	Equipment ID Number: Bin Vents on Two Storage Silos
3.	Manufacturer: C&W Manufacturing and Sales Company
4.	Model: CP-4000S
5.	Serial Number:
6.	Is the Baghouse Insulated? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
7.	Design Minimum Operating Temperature: ambient °F
8.	Design Maximum Operating Temperature: ambient °F
9.	Are Temperature Controls Provided? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If Yes, complete the rest of Question 9. If no, proceed to Question 10.</i>	
9.1.	Describe the Temperature Controls:
10.	Air Flow Through Baghouse: <input type="checkbox"/> Forced <input checked="" type="checkbox"/> Induced <input type="checkbox"/> Other (Specify):
11.	Direction of Flow Through Filters: <input type="checkbox"/> Inside Out <input checked="" type="checkbox"/> Outside In
12.	Particulate Removal Efficiency: 99.9+ %
Attach the Manufacturer's Specification Sheet for the Baghouse and Particle Size Removal Efficiency Curve and basis of determination.	

<u>Compartment Information</u>	
13.	Number of Compartments: 1
14.	Number of Filters (Bags) Per Compartment: 12 cartridge filters
15.	Can the Compartments be Isolated for Replacement or Repair? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

<u>Gas Stream Information</u>	
16.	Maximum Inlet Volumetric Gas Flow Rate: 4000 acfm at ambient °F
17.	Maximum Outlet Volumetric Gas Flow Rate: 4000 acfm at ambient °F
18.	Dew Point at Maximum Moisture Content of Gas: °F



Baghouse Application

If you are using this form electronically, press F1 at any time for help

General Information

1. Facility Name: **Walan Specialty Construction Products LLC**
2. Equipment ID Number: **Cartridge Filters for Two Dustless Loadout Chutes**
3. Manufacturer: **DCL, Inc.**
4. Model: **Compact Filter Module (CFM) - Model CFM330**
5. Serial Number:
6. Is the Baghouse Insulated? YES NO
7. Design Minimum Operating Temperature: **ambient °F**
8. Design Maximum Operating Temperature: **ambient °F**
9. Are Temperature Controls Provided? YES NO

If Yes, complete the rest of Question 9. If no, proceed to Question 10.

9.1. Describe the Temperature Controls:

10. Air Flow Through Baghouse: Forced
 Induced
 Other (Specify):

11. Direction of Flow Through Filters: Inside Out
 Outside In

12. Particulate Removal Efficiency: **99.9+ %**

Attach the Manufacturer's Specification Sheet for the Baghouse and Particle Size Removal Efficiency Curve and basis of determination.

Compartment Information

13. Number of Compartments: **1**
14. Number of Filters (Bags) Per Compartment: **Seven (model TL-DCL) cartridge filters**
15. Can the Compartments be Isolated for Replacement or Repair? YES NO

Gas Stream Information

16. Maximum Inlet Volumetric Gas Flow Rate: **1400 acfm at ambient °F**
17. Maximum Outlet Volumetric Gas Flow Rate: **1400 acfm at ambient °F**
18. Dew Point at Maximum Moisture Content of Gas: **°F**