

**From:** [Air.Pollution Control](#)  
**To:** [APC Permitting](#)  
**Subject:** FW: Nashville Ready Mix of Columbia Permit Application  
**Date:** Tuesday, September 28, 2021 7:13:14 AM  
**Attachments:** [NRM APC 100](#) [APC 111.pdf](#)

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**From:** Ivan Minter <iminter@nrm1987.com>  
**Sent:** Monday, September 27, 2021 3:42 PM  
**To:** Air.Pollution Control <Air.Pollution.Control@tn.gov>  
**Subject:** [EXTERNAL] Nashville Ready Mix of Columbia Permit Application

**\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. \*\*\***

TDEC  
Department of Air Pollution Control:

Please see the attached documents and find our forms, APC 100 and APC 111 to be submitted to apply for our air permit renewal for our Columbia Plant located at 453 Theta Pk Columbia, TN in Maury County.

Respectfully,

Ivan Minter  
EHS Manager  
Nashville Ready Mix  
605 Cowan Street  
Nashville, TN 37207  
C- 615-238-4013  
F- 615-622-6633



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF AIR POLLUTION CONTROL  
William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue, 15<sup>th</sup> Floor, Nashville, TN 37243  
Telephone: (615) 532-0554, Email: Air.Pollution.Control@TN.gov

APC 100

**NON-TITLE V PERMIT APPLICATION  
FACILITY IDENTIFICATION**

Type or print and submit. Attach appropriate source description forms.			
<b>SITE INFORMATION</b>			
<b>1. Organization's legal name and SOS control number [as registered with the TN Secretary of State (SOS)]</b> Nashville Ready Mix of Columbia, LLC			
<b>2. Site name</b> (if different from legal name)			
<b>3. Is a construction permit application fee being submitted?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> (see instructions for appropriate fee to submit)			
<b>4. Site address</b> (St./Rd./Hwy.) 453 Theta Pike			<b>County name</b> Maury
City Columbia		Zip code 38401	<b>5. NAICS or SIC code</b> 3273
<b>6. Site location</b> (in lat. /long.)	Latitude 35.650467		Longitude -87.029140
<b>CONTACT INFORMATION (RESPONSIBLE PERSON)</b>			
<b>7. Responsible person/Authorized contact</b> Ivan Minter		Phone number with area code 615-238-4013	
<b>Mailing address</b> (St./Rd./Hwy.) 605 Cowan Street		Fax number with area code 615-256-2352	
City Nashville	State TN	Zip code 37207	Email address iminter@nrm1987.com
<b>CONTACT INFORMATION (TECHNICAL)</b>			
<b>8. Principal technical contact</b> Arup Bandyopadhyay		Phone number with area code 615-337-6636	
<b>Mailing address</b> (St./Rd./Hwy.) P.O. Box 877		Fax number with area code	
City Hermitage	State TN	Zip code 37076	Email address arup@envcompliancesvc.com
<b>CONTACT INFORMATION (BILLING)</b>			
<b>9. Billing contact</b> Jennifer Meadows		Phone number with area code 615-256-2071	
<b>Mailing address</b> (St./Rd./Hwy.) 605 Cowan Street		Fax number with area code 615-256-2352	
City Nashville	State TN	Zip code 37207	Email address jmeadows@nrm1987.com

**AIR CONTAMINANT SOURCE(S) INFORMATION**

**10. Description of air contaminant source(s) and Unique Source ID(s).** List, identify, and briefly describe process emission sources, fuel burning installations, and incinerators that are contained in this application and include a Unique Source ID for each source. The Unique Source ID is a name/number/letter, which uniquely identifies the air contaminant source(s), like Boiler #1, Paint Line #1, Engine #1, etc. (see instructions for more details)

Cement Silo Baghouse #1

Fly Ash Silo Baghouse #1

Silo-To-Weigh-Batcher Baghouse #1

**11. Is the air contaminant source(s) in a nonattainment area? If "Yes", then minor source BACT must be addressed.** Yes No

☐☒

<b>12. Normal operation:</b>	Hours/Day 8 Hours/Day	Days/Week 5 Days/Week	Weeks/Year 52 Weeks/Year	Days/Year 260 Days/Year
<b>13. Percent annual throughput</b>	Dec. – Feb. 15%	March – May 35%	June – August 35%	Sept. – Nov. 15%

**TYPE OF PERMIT REQUESTED (check appropriate box)**

<b>14. Operating permit</b> <input checked="" type="checkbox"/>	Date construction started N/A	Date completed N/A	Date of ownership change (if applicable)
	Last permit number(s) 062382P		Emission Source Reference Number(s) 60-0165-01
<b>Construction permit</b> <input type="checkbox"/>	Last permit number(s)		Emission Source Reference Number(s)

If you chose Construction permit above, then choose either New Construction, Modification, or Location Transfer

<b>New Construction</b> <input type="checkbox"/>	Starting date	Completion date
<b>Modification</b> <input type="checkbox"/>	Date modification started or will start	Date completed or will complete
<b>Location Transfer</b> <input type="checkbox"/>	Transfer date	Address of last location

15. Describe changes that have been made to this equipment or operation(s) since the last construction or operating permit application:

16. Comments

**SIGNATURE**

Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

17. Signature (application must be signed before it will be processed)



**Date**

9-27-21

**Signer's name** (type or print)

Ivan Minter

**Title**

EHS Manger

**Phone number with area code**

615-238-4013



**NON-TITLE V PERMIT APPLICATION**  
**CONCRETE BATCH PLANT SOURCE DESCRIPTION**

Type or print. Submit for each concrete batch plant. Submit with the APC 100.  
Submit a Plant Diagram according to the instructions given below.

**GENERAL IDENTIFICATION AND DESCRIPTION**

<b>1. Organization's legal name and SOS control number</b> [as registered with the TN Secretary of State (SOS)] Nashville Ready Mix of Columbia, LLC		<b>2. Emission Source Reference Number</b> 60-0165-01	
<b>3. Is this air contaminant source subject to an NSPS or NESHAP rule?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, list rule citation, including Part, Subpart, and applicable Sections:			
<b>4. Unique Source ID</b> (name/number that uniquely identifies this source, like Plant 1)		<b>5. Date constructed</b> June 1996	
<b>6. Maximum annual production:</b> (Yards)	Transit mix	Central mix	Dry mix 75,000

**CEMENT RECEIVING AND STORAGE**

<b>7. Cement receiving equipment</b>	Is conveyor enclosed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is elevator enclosed? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Compressed air flow (Ft. <sup>3</sup> /Min.) 650	Average load size (Tons) 25	Normal loading time (Min.) 60
<b>8. Cement storage silos:</b>	Number of silos 3	Total capacity (Units: barrels or tons) 300	<u>Silo vent controls</u> Discharges to (check one) Fabric filter <input checked="" type="checkbox"/> Another silo <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>		

**WEIGH-BATCHER INFORMATION**

<b>9. Weigh batcher:</b>	Capacity (Yards) 10	Batching rate (Yards/Hour) 150 cy / hour	Batch dumping rate (Yards/Minute) 10 cy @ 4 min
Silo - to - weigh - batcher vent controls	Hood <input type="checkbox"/>	Fabric filter <input checked="" type="checkbox"/>	Discharges to silo <input type="checkbox"/> None <input type="checkbox"/>
<b>10. Weigh - batcher:</b> (Check or complete as appropriate)	Discharges to: (In yards/year)		
	Trucks 75,000	Tilt	Products mixer
	Weigh-batcher discharge chute controls:		
	Adjustable gathering hopper <input checked="" type="checkbox"/>	Hood <input type="checkbox"/>	Fabric filter <input type="checkbox"/> Discharges to silo <input type="checkbox"/> None <input type="checkbox"/>

**11. Air contaminants.** Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

**SILO #1 EMISSION INFORMATION**

<b>12. Emission point data for:</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Height above grade (Ft.)	55	20	14
B. Diameter (Ft.)	.5	.5	3
C. Emission exit direction (Up, down, or horizontal)	Horizontal	Horizontal	Down
D. Air flow rate (Ft. <sup>3</sup> /Minute)	750	250	N/A
<b>13. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)	.123	.018	.099
B. Maximum emissions (Pounds/hour)	.123	.018	.247
C. Average emissions (Tons/Year)	.007	.007	.037
D. Potential emissions (Tons/Year)	.007	.007	.037
E. Emissions estimation method*	3	3	3
F. Control devices*	018	018	061
G. Control efficiency %	Used AP 42	Used AP 42	Used AP 42

**SILO #2 EMISSION INFORMATION**

<b>14. Emission point data for:</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Height above grade (Ft.)	35	20	14
B. Diameter (Ft.)	.5	.5	.5
C. Emission exit direction (Up, down, or horizontal)	Horizontal	Horizontal	Down
D. Air flow rate (Ft. <sup>3</sup> /Minute)	750	250	N/A
<b>15. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)	.01	.01	.387
B. Maximum emissions (Pounds/hour)	.01	.01	.968
C. Average emissions (Tons/Year)	.002	.002	.136
D. Potential emissions (Tons/Year)	.002	.002	.136
E. Emissions estimation method*	3	3	3
F. Control devices*	018	018	061
G. Control efficiency %	Used AP 42	Used AP 42	Used AP 42

**14. Air contaminants.** Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet. (see instructions for more details)

**SILO #3 EMISSION INFORMATION**

<b>17. Emission point data for:</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Height above grade (Ft.)	35	20	14
B. Diameter (Ft.)	.5	.5	3
C. Emission exit direction (Up, down, or horizontal)	Horizontal	Horizontal	Down
D. Air flow rate (Ft. <sup>3</sup> /Minute)	750	250	N/A
<b>18. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)	.01	.01	.387
B. Maximum emissions (Pounds/hour)	.01	.01	.968
C. Average emissions (Tons/Year)	.002	.002	.136
D. Potential emissions (Tons/Year)	.002	.002	.136
E. Emissions estimation method*	3	3	3
F. Control devices*	018	018	061
G. Control efficiency %	Used AP 42	Used AP 42	Used AP 42

**SILO # EMISSION INFORMATION**

<b>19. Emission point data for:</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Height above grade (Ft.)			
B. Diameter (Ft.)			
C. Emission exit direction (Up, down, or horizontal)			
D. Air flow rate (Ft. <sup>3</sup> /Minute)			
<b>20. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)			
B. Maximum emissions (Pounds/hour)			
C. Average emissions (Tons/Year)			
D. Potential emissions (Tons/Year)			
E. Emissions estimation method*			
F. Control devices*			
G. Control efficiency %			



**21. Control device.** Description of proposed monitoring, recordkeeping, and reporting to assure compliance with emission limits. Include operating parameters of control device (flow rate, temperature, pressure drop, etc.). Monthly record keeping and tracking by AP 42.

#### ROAD DUST AND STOCKPILE INFORMATION


<b>22. Road dust control:</b>	None	Paved	Oiled	Watered frequently	
Plant yard:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Access roads:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
<b>23. Stockpiles:</b>	Estimated annual tonnage	Number of sides enclosed	Turnover rate (Tons/Month)	Received damp	Wetted as received
Gravel:	75,000	3	6250	Yes	Seasonally
Sand:	49,500	3	4125	Yes	No

#### 24. Comments

#### SIGNATURE

If this form is being submitted at the same time as an APC 100 form, then a signature is not required on this form. Date this form regardless of whether a signature is provided. If this form is NOT being submitted at the same time as an APC 100 form, then a signature is required.

Based upon information and belief formed after a reasonable inquiry, I, as the responsible person of the above mentioned facility, certify that the information contained in this application is accurate and true to the best of my knowledge. As specified in TCA Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

<b>25. Signature</b> 		<b>Date</b> 09-27-2021
<b>Signer's name</b> (type or print) Ivan Minter	<b>Title</b> EHS Manager	<b>Phone number with area code</b> 615-238-4013

**Concrete batch plant diagram instructions:** Show general plant layout and air pollution control devices. Indicate the following: storage pile areas, conveyor systems, method of receiving cement, elevators, silos, silo vents, silo-to-weigh-batcher vent, weigh-batcher discharge chute, and product receiving equipment such as trucks and tilt or product mixers. Indicate air pollution control devices such as fabric filters, wet suppressions, hoods, canvas coverings, enclosures, etc.

\* Refer to the instructions for the estimation method and control device codes. If the code is "Other" specify in comments.