

**From:** [Air.Pollution Control](#)  
**To:** [APC Permitting](#)  
**Subject:** FW: SRM Concrete Permit #069080P Facility ID 94-0091  
**Date:** Sunday, August 13, 2023 5:35:37 PM  
**Attachments:** [Signed APC100.pdf](#)  
[Signed APC111.pdf](#)  
[Franklin Century Court Plant - Batching Emissions Calculations.pdf](#)  
[Air Permit Renewal Letter.pdf](#)  
[Production Limit Agreement Letter.pdf](#)

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**From:** Jeremy Harris <jharris@smyrnareadymix.com>  
**Sent:** Friday, August 11, 2023 11:51 AM  
**To:** Air.Pollution Control <Air.Pollution.Control@tn.gov>  
**Cc:** Jimmie Horton <Jimmie.Horton@tn.gov>; Anna Pettit <Anna.Pettit@tn.gov>  
**Subject:** [EXTERNAL] SRM Concrete Permit #069080P Facility ID 94-0091

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

Please see the attached APC100, APC111, batching calculations, renewal letter, and production limit letter for the SRM Concrete Permit #069080P Facility ID 94-0091 renewal.

**Jeremy Harris** | Environmental Director | **Smyrna Ready Mix Concrete, LLC.** | 1000 Hollingshead Circle,  
Murfreesboro, TN 37129  
O: 615-355-1028 | C: 423-402-1498 | [jharris@smyrnareadymix.com](mailto:jharris@smyrnareadymix.com)





**SMYRNA READY MIX CONCRETE, LLC**  
**1000 HOLLINGSHEAD CIRCLE**  
**MURFREESBORO, TN 37129**  
**OFFICE 615-355-1028 FAX 615-242-3064**

August 11, 2023

Tennessee Department of Environment and Conservation  
Division of Air Pollution Control

Smyrna Ready Mix Concrete, LLC  
Air Permit # 069080P Renewal  
Franklin, TN

To Whom it May Concern,

This letter serves as confirmation for the air permit 069080P renewal for the Smyrna Ready Mix Concrete facility ID 94-0091 in Franklin, TN. No changes have been made to the equipment. We wish to update the hours/day, days/week, and weeks/ year of operations. The 100,000 yard production limit will remain the same. A \$100 fee will also be sent to the division.

I look forward to hearing back from you, and please let me know if you need further information or have any questions.

Sincerely,

A handwritten signature in black ink that reads 'Jeremy Harris'.

Jeremy Harris  
Environmental Director  
jharris@smyrnareadymix.com



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August 11, 2023

Tennessee Department of Environment and Conservation  
Division of Air Pollution Control

Smyrna Ready Mix Concrete, LLC  
Air Permit # 069080P Renewal  
Franklin, TN

To Whom it May Concern,

This letter serves as confirmation that Smyrna Ready Mix Concrete, LLC agrees to the 100,000 yard production limit per calendar year for the air permit 069080P renewal facility ID 94-0091 in Franklin, TN

I look forward to hearing back from you, and please let me know if you need further information or have any questions.

Sincerely,

Jeremy Harris  
Environmental Director  
jharris@smyrnareadymix.com



**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</b> [as registered with the TN Secretary of State (SOS)] Smyrna Ready Mix Concrete, LLC			
<b>2. Site name</b> (if different from legal name) Smyrna Ready Mix Concrete, LLC Plant #5			
<b>3. Is a construction permit application fee being submitted?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (see instructions for appropriate fee to submit)			
<b>4. Site address</b> (St./Rd./Hwy.) 429 Century Court			County name Williamson
City Franklin	Zip code 37064		<b>5. NAICS or SIC code</b> 3273
<b>6. Site location</b> (in lat. /long.)	Latitude 35.897439	Longitude -86.886509	
<b>CONTACT INFORMATION (RESPONSIBLE PERSON)</b>			
<b>7. Responsible person/Authorized contact</b> Jeff Hollingshead			Phone number with area code 615-355-1028
<b>Mailing address</b> (St./Rd./Hwy.) 1000 Hollingshead Circle			Fax number with area code 615-355-1028
City Murfreesboro	State TN	Zip code 37129	Email address jeff@smyrnareadymix.com
<b>CONTACT INFORMATION (TECHNICAL)</b>			
<b>8. Principal technical contact</b> Jeremy Harris			Phone number with area code 423-402-1498
<b>Mailing address</b> (St./Rd./Hwy.) 1000 Hollingshead Circle			Fax number with area code 615-355-1028
City Murfreesboro	State TN	Zip code 37129	Email address jharris@smyrnareadymix.com
<b>CONTACT INFORMATION (BILLING)</b>			
<b>9. Billing contact</b> Alysia Hulshof			Phone number with area code 615-355-1028
<b>Mailing address</b> (St./Rd./Hwy.) 1000 Hollingshead Circle			Fax number with area code 615-355-1028
City Murfreesboro	State TN	Zip code 37129	Email address alysia@smyrnareadymix.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)

Concrete batch plant with fabric filter baghouse control.

**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 12	Days/Week 6	Weeks/Year 52	Days/Year 312
<b>13. Percent annual throughput</b>	Dec. - Feb. 20	March - May 30	June - August 30	Sept. - Nov. 30

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

<b>14. Operating permit</b> <input type="checkbox"/>	Date construction started July 2007	Date completed April 2008	Date of ownership change (if applicable) 08-07-2014
	Last permit number(s)		Emission Source Reference Number(s)
<b>Construction permit</b> <input checked="" type="checkbox"/>	Last permit number(s) 069080		Emission Source Reference Number(s) 94-0091

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 checked="" type="checkbox"/>	Date modification started or will start ASAP	Date completed or will complete ASAP
<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:**

No changes have been made to this equipment. We are requesting a renewed operating permit with updated hours/day, days/week, weeks/ year operating hours. The 100,000 yard production limit will remain the same.

**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**

08-11-2023

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

**Title**

**Phone number with area code**

Jeff Hollingshead

CEO

615-355-1028



**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.					
<b>GENERAL IDENTIFICATION AND DESCRIPTION</b>					
1. Organization's legal name and SOS control number [as registered with the TN Secretary of State (SOS)] Smyrna Ready Mix Concrete, LLC				2. Emission Source Reference Number 94-0091	
3. Is this air contaminant source subject to an NSPS or NESHAP rule? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, list rule citation, including Part, Subpart, and applicable Sections:					
4. Unique Source ID (name/number that uniquely identifies this source, like Plant 1) Smyrna Ready Mix Concrete, LLC Plant #5				5. Date constructed April 2008	
6. Maximum annual production: (Yards)	Transit mix	Central mix	Dry mix 100,000		
<b>CEMENT RECEIVING AND STORAGE</b>					
7. Cement receiving equipment	Is conveyor enclosed? Yes <input 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.) 900	Average load size (Tons) 25	Normal loading time (Min.) 30
8. Cement storage silos:	Number of silos 3	Total capacity (Units: barrels or tons) 300	Silo vent controls Discharges to (check one) Fabric filter <input checked="" type="checkbox"/> Another silo <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>		
<b>WEIGH-BATCHER INFORMATION</b>					
9. Weigh batcher:	Capacity (Yards) 12	Batching rate (Yards/Hour) 100	Batch dumping rate (Yards/Minute) 1.66		
Silo - to - weigh - batcher vent controls	Hood <input checked="" type="checkbox"/>	Fabric filter <input checked="" type="checkbox"/>	Discharges to silo <input type="checkbox"/>	None <input type="checkbox"/>	
10. Weigh - batcher: (Check or complete as appropriate)	Discharges to: (In yards/year)				
	Trucks 100,000	Tilt	Products mixer		
	Weigh-batcher discharge chute controls:				
	Adjustable gathering hopper <input type="checkbox"/>	Hood <input checked="" 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.)	67'	22'	14.5"
B. Diameter (Ft.)	2'	2'	2'
C. Emission exit direction (Up, down, or horizontal)	UP	Horizontal	Down
D. Air flow rate (Ft. <sup>3</sup> /Minute)	900	64	Gravity Fed
<b>13. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)	0.0041735	0.0344	0.3228325
B. Maximum emissions (Pounds/hour)	0.008347	0.06874	0.645665
C. Average emissions (Tons/Year)	0.007812792	0.0643	0.60434244
D. Potential emissions (Tons/Year)	0.015625584	0.12868128	1.20868488
E. Emissions estimation method*	AP-42	AP-42	AP-42
F. Control devices*	Baghouse	Baghouse	Hood
G. Control efficiency %	99.9	99.9	99.9

**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.)	67'	22'	14.5"
B. Diameter (Ft.)	2'	2'	2'
C. Emission exit direction (Up, down, or horizontal)	Up	Horizontal	Down
D. Air flow rate (Ft. <sup>3</sup> /Minute)	900	64	Gravity Fed
<b>15. Particulate matter (PM)</b>	Silo vent	Silo-to-weigh-batcher vent	Weigh-batcher discharge chute
A. Average emissions (Pounds/Hour)	0.0089425	0.0051	0.0479975
B. Maximum emissions (Pounds/hour)	0.017885	0.01022	0.095995
C. Average emissions (Tons/Year)	0.01674036	0.0096	0.08985132
D. Potential emissions (Tons/Year)	0.03348072	0.01913184	0.17970264
E. Emissions estimation method*	AP-42	AP-42	AP-42
F. Control devices*	Baghouse	Baghouse	Hood
G. Control efficiency %	99.9	99.9	99.9



**16. 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.).  
 Records of concrete production and baghouse maintenance will be kept onsite.

**ROAD DUST AND STOCKPILE INFORMATION**

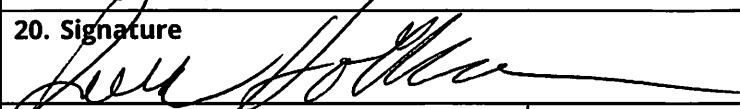
<b>17. Road dust control:</b>	None	Paved	Oiled	Watered frequently	
Plant yard:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes	
Access roads:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes	
<b>18. Stockpiles:</b>	Estimated annual tonnage	Number of sides enclosed	Turnover rate (Tons/Month)	Received damp	Wetted as received
Gravel:	56,000	3	4,600	no	Yes
Sand:	40,000	3	3,300	Yes	no

**19. Comments**  
 This facility has 3 silos. The first one is a split silo. 100 tons of cement is stored on one side and 50 tons of flyash is stored on the other. Both sides have baghouse controls. The 3rd silo holds 150 tons of cement, but is not in operation. Silo 3 dimensions and calculations are the same as silo 1. We wish to renew the permit with updated hours/day, days/week, weeks/year.

**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>20. Signature</b>		<b>Date</b>
		08-11-2023
<b>Signer's name</b> (type or print)	<b>Title</b>	<b>Phone number with area code</b>
Jeff Hollingshead	CEO	615-355-1028

**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.

Emission factors in lb of pollutant per ton of material loaded.

Emissions based on Total PM10

	Uncontrolled		Controlled		Yds/Hr	Ave. Emissions (lb./hr)		(12 hrs/day)(312 days/yr) = 3744		Yds/Hr	Maximum Emissions (lb./hr)		(12 hrs/day)(312 days/yr)=3744			
	Total PM	Total PM10	Total PM	Total PM10		Based off 50,000, cu.yds/yr		Based off 100,000 cu. Yds/yr			Uncontrolled	Controlled	Based off 100,000 cu. Yds/yr		Based off 100,000 cu. Yds/yr	
						Uncontrolled	Controlled	Uncontrolled	Controlled				Uncontrolled	Controlled		
					50			Unc.	Controlled	100			Unc.	Controlled		
Aggregate Transfer	0.0069	0.0033	ND	ND	50	0.1538625	0.1538625	0.288031	0.153863	100	0.307725	0.307725	0.57606	0.5760612		
Sand Transfer	0.0021	0.00099	ND	ND	50	0.035343	0.035343	0.066162	0.066162	100	0.070686	0.070686	0.13232	0.1323242		
Cem. unloading to elevated silo	0.73	0.47	0.00099	0.00034	50	5.76925	0.0041735	10.80004	0.007813	100	11.5385	0.008347	21.6001	0.0156256		
						not applicable		not appl.			not applicable		not appl.			
Cem. Suppl. Unloading to elevated silo	3.14	1.1	0.0089	0.0049	50	2.0075	0.0089425	3.75804	0.01674	100	4.015	0.017885	7.51608	0.0334807		
						Cement	Suppl.	Cement	Suppl.		Cement	Suppl.	Cement	Suppl.		
Weigh Hopper Loading	0.0048	0.0028	ND	ND	50	0.0344	0.0051	0.0643	0.0096	100.00	0.06874	0.01022	0.12868	0.0191318		
****Both cement and suppl are controlled																
Mixer Loading (central mix) - Cement	0.572	0.156	0.0184	0.0055	50	1.9149	0.0675125	3.584693	0.126383	100	3.8298	0.135025	7.16939	0.2527668		
Truck Loading (truck mix) - Cement	1.118	0.31	0.098	0.0263	50	3.80525	0.3228325	7.123428	0.604342	100	7.6105	0.645665	14.2469	1.2086849		
Mixer Loading (central mix) - Suppl.	0.572	0.156	0.0184	0.0055	50	0.2847	0.0100375	0.532958	0.01879	100	0.5694	0.020075	1.06592	0.0375804		
Truck Loading (truck mix) - Suppl.	1.118	0.31	0.098	0.0263	50	0.56575	0.0479975	1.059084	0.089851	100	1.1315	0.095995	2.11817	0.1797026		