



**STATE OF TENNESSEE  
AIR POLLUTION CONTROL BOARD  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
NASHVILLE, TENNESSEE**

**GENERAL PERMIT TO CONSTRUCT / MODIFY AND OPERATE AIR CONTAMINANT SOURCE(S)**

**Permit Number:** G00003

**Facility Classification:** True Minor  
Emissions less than 10 tons per calendar year

**Facility Description:** Concrete Batch Plant Operation with silo(s), Fabric Filter Control

**SIC/NAICS:** Ready-Mixed Concrete Manufacturing, typical Standard Industrial Classification (SIC) code is 3273 and the North American Industry Classification System (NAICS) code is 327320.

General Permit G00003, consisting of 17 pages is hereby issued on March 12, 2024, pursuant to the Tennessee Air Quality Act and by the Technical Secretary, Tennessee Air Pollution Control Board, Department of Environment and Conservation. This permit supersedes all previously issued permits for this/these source(s). This permit expires on March 11, 2034. The holder of this permit shall comply with the conditions contained in this permit as well as all applicable provisions of the Tennessee Air Pollution Control Regulations (TAPCR).

Michelle W. Owenby  
Technical Secretary  
Tennessee Air Pollution Control Board

No Authority is Granted by this Permit to Operate, Construct, or Maintain any Installation in Violation of any Law, Statute, Code, Ordinance, Rule, or Regulation of the State of Tennessee or any of its Political Subdivisions.

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### Permit Record

Permit Type	Description of Permit Action	Issue Date
Initial	Initial General Permit issuance	March 13, 2024

### Concrete Batch Plant Process Description

A concrete batch plant is an operation that combines various ingredients to form concrete. The facility can be portable, stationary truck mix, or central mix. Some of the material inputs include sand, water, aggregate (rocks, gravel, etc.), fly ash, potash, and cement. There are two types of concrete batch plants: ready mix plants and central mix plants. A concrete batch plant can have a variety of parts and equipment, including, but not limited to mixers (either tilt-up or horizontal or in some cases both), cement batchers, aggregate batchers, conveyors, radial stackers, aggregate bins, cement bins, heaters, chillers, cement silos, batch plant controls, aggregate piles, and dust collectors.

## **Section I - Permit Applicability**

### **P1. Permit Eligibility and Authorization**

Permit G00003 is hereby issued and made available to persons who operate eligible concrete batch plants subject to regulation under the Tennessee Air Pollution Control Regulations (TAPCR) 1200-03 and 0400-30, with the following exceptions:

- A. Non-state owned sources located in areas issued a Certificate of Exemption from the Tennessee Air Pollution Control Board;
- B. Sources subject to TAPCR 1200-03-09-.02(11); and
- C. New or modified sources locating in areas designated as nonattainment for particulate matter by the U.S. Environmental Protection Agency (U. S. EPA) or the Tennessee Air Pollution Control Board. Existing sources (as defined in TAPCR 1200-03-02-.02(1)(q)) located in PM<sub>2.5</sub> nonattainment areas are eligible for coverage under this permit if no source-specific conditions have been established due to their location in a nonattainment area.

This permit authorizes the construction, operation, and modification of all equipment associated with concrete batch plants eligible for coverage under this permit as defined in **Condition G1**, and the resulting air emissions, provided all requirements of this permit and TAPCR 1200-03 and 0400-30 are met.

TAPCR 1200-03-09-.06

## **Section II - General Permit Conditions**

### **G1. Eligibility**

Only concrete batch plants subject to regulation under the TAPCR 1200-03 and 0400-30 that are not excluded in **Condition P1** of this permit and have total allowable emissions of less than 10 tons per calendar year of all regulated pollutants are eligible for coverage under this general permit. When determining if a concrete batch plant is eligible for coverage under this general permit, emissions from all sources (include other colocated emission sources) located at the same facility must be considered.

TAPCR 1200-03-09-.06(5), TAPCR 1200-03-26-.02(6)(e)

### **G2. Permission to Construct and Operate**

This general permit shall serve as both a construction and operating permit for eligible sources as identified in **Condition P1** of this permit provided the provisions of **Condition G6** are met.

TAPCR 1200-03-09-.06(3)

### **G3. Requirement to Obtain Traditional Permit(s)**

Notwithstanding the provisions of this permit, the Technical Secretary may require any person to apply for and obtain a traditional construction permit as set forth in TAPCR 1200-03-09-.01(1), and an operating permit as set forth in TAPCR 1200-03-09-.02(1) through (4), should it be deemed necessary by the Technical Secretary.

TAPCR 1200-03-09-.03(8)

#### **G4. Comply with Regulations**

- A. This source shall comply with all applicable state and federal air pollution regulations as specified in **Condition P1**. This includes, but is not limited to, federal regulations published under 40 CFR Part 60, New Source Performance Standards, and 40 CFR Part 63, National Emission Standards for Hazardous Air Pollutants for Source Categories.

TAPCR 1200-03-09-.03(8)

- B. Operation of each air contaminant source shall be in accordance with the provisions and stipulations set forth in this general permit, all provisions of the TAPCR 1200-03 and 0400-30, and all provisions of the Tennessee Air Quality Act.

TAPCR 1200-03-09-.02(6)

#### **G5. Approved Notice of Intent**

This source shall operate in accordance with the terms of this permit, the information submitted in the approved Notice of Intent (NOI) referenced in **Condition G6**, and any documented agreements made with the Technical Secretary.

TAPCR 1200-03-09-.01(1)(d), 1200-03-09-.02(6) and 1200-03-09-.06(9)(b)

#### **G6. Notice of Intent Requirements**

- A. Initial Coverage: Facilities desiring to be covered by this general permit shall submit an NOI to the Technical Secretary at the address specified in **Condition G7**. The NOI must be made on forms available from the Technical Secretary.

TAPCR 1200-03-09-.06(6)

- B. Construction and Modification

1. New facilities wishing to be covered by this general permit must submit an NOI to the Technical Secretary no less than 90 days prior to the estimated starting date of construction. The NOI must be made on forms available from the Technical Secretary.
2. If a facility presently covered by this general permit intends to modify their facility (as “modification” is defined in TAPCR 1200-03-02), an NOI for such modification must be submitted to the Technical Secretary no less than 30 days prior to such modification. The NOI must be made on forms available from the Technical Secretary.

TAPCR 1200-03-09-.06(6)

- C. Renewal of Coverage Under the General Permit: For a source covered by this general permit, an NOI shall be submitted no less than 30 days prior to the expiration date of this General Permit to ensure continued coverage.

TAPCR 1200-03-09-.06(6)

- D. Contact Information

1. If any of the contact information included in the NOI changes during the term of the general permit, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification provided in **Appendix 1** must be submitted within 30 days of the change.

2. The notification shall include all new information and must be signed by the responsible person. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of the Notice of Coverage (NOC) limiting permit conditions on this permit will continue to be binding on the facility until such time that a revision to this permit is obtained that would change said representations, agreements, and covenants.

TAPCR 1200-03-09-.03(8) and 1200-03-09-.06(6)

**G7. Submittals**

Unless otherwise specified within this permit, the permittee shall submit, preferably via email and in Adobe Portable Document format (PDF), all applicable plans, checklists, certifications, notifications, test protocols, reports, applications, and fees to the attention of the following Division Programs at the address indicated in the table below:

Permitting Program		Compliance Validation Program	
<ul style="list-style-type: none"> <li>• Notifications</li> <li>• Startup certifications</li> <li>• Applications</li> <li>• Fees</li> <li>• Emission Statements</li> </ul>		<ul style="list-style-type: none"> <li>• Test protocols</li> <li>• Emission test reports</li> <li>• Visible emission evaluation reports</li> </ul>	
Email to: <a href="mailto:Air.Pollution.Control@tn.gov">Air.Pollution.Control@tn.gov</a>	<b>Before June 1, 2024</b> , mail to:  Division of Air Pollution Control William R. Snodgrass TN Tower, 15 <sup>th</sup> Floor 312 Rosa L. Parks Avenue Nashville, TN 37243 Telephone: (615) 532-0554	<b>Or</b>	<b>On and after June 1, 2024</b> , mail to:  State of Tennessee Department of Environment and Conservation Division of Air Pollution Control Davy Crockett Tower, 7th Floor 500 James Robertson Parkway Nashville, TN 37243 Telephone: (615) 532-0554

The permittee shall submit the information identified above as requested in this permit. In lieu of submitting this information to the email address above, the permittee may submit the information to the attention of the respective Division Programs at the mailing address listed above.

TAPCR 1200-03-09-.03(8)

**G8. Notification of Changes**

The permittee shall notify the Technical Secretary for any of the following changes to a permitted air contaminant source which would not be a modification requiring a new construction permit:

- A. Change in air pollution control equipment that does not result in an increase or otherwise meet the definition of a modification.
- B. Change in stack height or diameter.
- C. Change in exit velocity of more than 25% or exit temperature of more than 15% based on absolute temperature.

The permittee must submit the Notification provided in **Appendix 2** of this permit 30 days before the change is commenced.

TAPCR 1200-03-09-.02(7)

**G9. Termination of Coverage**

If either the owner or operator of a source covered by this general permit or the Technical Secretary determines that the source no longer qualifies for coverage under this general permit, the source shall submit a notice of the change in status within 30 days of either such determination by the source or notification by the Technical Secretary, whichever occurs first. In the event that this occurs, the permittee shall apply for the appropriate permit in accordance with **Condition G3**.

TAPCR 1200-03-09-.06(7)

**G10. Permit Transference**

A. This general permit is not transferable from one air contaminant source to another air contaminant source or from one location to another location.

TAPCR 1200-03-09-.03(6)(b)

B. In the event an ownership change occurs at this facility, the new owner must submit the notification provided in **Appendix 3** of this general permit and request an amendment to their NOC to reflect said ownership change. The written notification must be submitted by the new owner to the Permitting Program no later than 30 days after the ownership change occurs. If the change in ownership results in a change in Responsible Person for the facility, notification of the change in Responsible Person (**Appendix 1**) must also be submitted, as specified in **Condition G6.D**. The notification must be submitted at the address specified in **Condition G7**.

TAPCR 1200-03-09-.03(6)(a) and (b)

C. In the event of a name change not associated with a change in ownership at a facility covered under this general permit, a responsible person (owner or officer) must notify the Technical Secretary, at the address specified in **Condition G7**, in writing within 30 days of such change. A copy of this notification must be attached to the NOC.

TAPCR 1200-03-09-.03(8)

**G11. Fees**

The air contaminant source(s) covered under this general permit shall comply with the requirements for payment of applicable annual emission fees to the Tennessee Division of Air Pollution Control based on the Administrative Fees SCHEDULE I provided in **Appendix 4** of this permit. The fee must be paid to the Division in full by the first (1st) day of the month that the fee is due (determined from **Appendix 4**). (Note: not all facilities are required to pay annual emission fees)

TAPCR 1200-03-26-.02

**G12. General Recordkeeping Requirements**

A. All recordkeeping requirements for all data required to be recorded shall follow the following schedules:

For Daily Recordkeeping	For Weekly Recordkeeping	For Monthly Recordkeeping
No later than seven days from the end of the day for which the data is required.	No later than seven days from the end of the week for which the data is required.	No later than 30 days from the end of the month for which the data is required.

- B. The information contained in logs, records, and submittals required by this general permit shall be kept at the facility's address, unless otherwise noted, and provided to the Technical Secretary or a Division representative upon request. Computer-generated logs are acceptable. Compliance is assured by retaining the logs, records, and submittals specified in this permit for a period of not less than five years at the facility's address.

TAPCR 1200-03-10-.02(2)(a)

### **G13. Routine Maintenance Requirements**

The permittee shall maintain and repair the emission source, associated air pollution control device(s), and compliance assurance monitoring equipment as required to maintain and assure compliance with the specified emission limits.

TAPCR 1200-03-09-.03(8)

**Compliance Method:** Records of all repair and maintenance activities required above shall be recorded in a suitable permanent form and kept available for inspection by the Division. These records must be retained for a period of not less than five years. The date each maintenance and repair activity began shall be entered in the log no later than seven days following the start of the repair or maintenance activity, and the completion date shall be entered in the log no later than seven days after activity completion.

TAPCR 1200-03-10-.02(2)(a)

### **G14. Visible and Fugitive Emissions**

- A. Unless otherwise specified, visible emissions from this facility shall not exhibit greater than 20% opacity, except for one six-minute period in any one-hour period, and for no more than four six-minute periods in any 24-hour period. A stack is defined as any chimney, flue, conduit, exhaust, vent, or opening of any kind whatsoever, capable of, or used for, the emission of air contaminants.

TAPCR 1200-03-05-.01(1) and 1200-03-05-.03(6)

**Compliance Method:** When required to demonstrate compliance, visible emissions shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

- B. The permittee shall not cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Reasonable precautions shall include, but are not limited to, the following:
1. Use, where possible, of water or chemicals for control of dust in demolition of existing buildings or structures, construction operations, grading of roads, or the clearing of land;
  2. Application of asphalt, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which can create airborne dusts;
  3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods shall be employed during sandblasting or other similar operations.

The permittee shall not cause, suffer, allow, or permit fugitive dust to be emitted in such manner to exceed five minutes per hour or 20 minutes per day as to produce a visible emission beyond the property line of the property on which the emission originates, excluding malfunction of equipment as provided in TAPCR 1200-03-20.

TAPCR 1200-03-08-.01(1) and 1200-03-08-.01(2)

**Compliance Method:** When required to demonstrate compliance, fugitive emissions shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.

- C. Fugitive emissions from roads and parking areas shall not exhibit greater than 10% opacity.

TAPCR 1200-03-08-.03

**Compliance Method:** When required to demonstrate compliance, fugitive emissions from roads and parking areas shall be determined by utilizing Tennessee Visible Emissions Evaluation (TVEE) Method 1, as adopted by the Tennessee Air Pollution Control Board on April 29, 1982, as amended on September 15, 1982, and August 24, 1984.

### **G15. Malfunction or Failure**

Upon the malfunction/failure of any emission control device(s) serving this source, the operation of the process(es) served by the device(s) shall be regulated by TAPCR 1200-03-20 entitled Limits on Emissions due to Malfunctions, Startups, and Shutdowns. A malfunction is defined as, any sudden and unavoidable failure of process equipment or for a process to operate in an abnormal and unusual manner. Failures that are caused by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

TAPCR 1200-03-09-.03(8)

## **Section III - Source Specific Permit Conditions**

### **S1-1. Production Limitations**

The annual production rate of the concrete batch plant shall not exceed the following limits:

**Concrete Plants – Truck Mix (Uncontrolled Loadout):** The annual production rate shall not exceed 57,000 cubic yards per calendar year of ready-mixed concrete.

**Concrete Batch Plants – Truck Mix (Controlled Loadout):** The annual production rate shall not exceed 330,000 cubic yards per calendar year of ready-mixed concrete. The loadout chute to the concrete truck must be controlled by a filtration system (central dust collector or route emissions to a silo that is controlled by a dust collector).

Should the permittee need to modify the source(s) in a manner that increases the annual production rate above the applicable limit shown above, a construction permit shall be applied for and received in accordance with TAPCR 1200-03-09-.01 prior to making the change.

TAPCR 1200-03-09-.06(5) and 1200-03-09-.03(8)

**Compliance Method:** The permittee shall maintain a log of the actual daily and monthly production as shown in **Appendix 6**, or in an alternative format that provides the same information. These logs shall be retained in accordance with **Condition G12**.

TAPCR 1200-03-10-.02(2)(a)

### **S1-2. Emission Limitations**

- A. Particulate matter (PM) emitted from the source shall not exceed 9.9 tons per calendar year.



- B. PM emitted from stack emission points shall not exceed 0.25 grains per dry standard cubic foot of exhaust gases.
- C. The maximum hourly emission rate of fugitive PM emitted from each process emission source at this facility shall not exceed the limits obtained from Process Weight Table 2 (**Appendix 5**). Compliance with this requirement shall be based upon the batching rate specified in the NOI and determined on a daily average basis.

TAPCR 1200-03-07-.01(5) and the NOI submitted by the owner/operator, 1200-03-07-.04(2), 1200-03-09-.03(8) and 1200-03-10-.02(2)(a)

**Compliance Method:** Compliance with this condition shall be assured as follows:

1. The permittee shall demonstrate compliance with the stack emission limit by installing, operating, and maintaining baghouses or a central dust collector to control PM emissions from each silo.
2. The permittee shall install, operate, and maintain baghouses or a central dust collector to control PM emissions from the weigh batcher(s), or the permittee shall route emissions from the weigh batcher(s) to a silo that is controlled by a baghouse or central dust collector.
3. For concrete batch plants with an annual production greater than 57,000 cubic yards per calendar year, the permittee shall install, operate, and maintain baghouses or a central dust collector to control PM emissions from the weigh batcher discharge chute(s), or the permittee shall route emissions from the weigh batcher discharge chute(s) to a silo that is controlled by a baghouse or central dust collector.
4. The concrete batch plant shall not operate unless the control devices identified in the NOI (baghouses and central dust collector, as applicable) are in operation. The permittee shall perform and record monthly visual inspections of the exterior of the control device(s) and the control device(s) ductwork, including the control device(s) exhaust. The inspections must be conducted while the plant is in operation. These visual inspections may be conducted from the ground or other safe vantage point yielding a clear view of emissions from the source, control equipment, and associated ductwork. An up-close inspection and routine maintenance of the baghouse shall be conducted annually or on a more frequent schedule as recommended by the manufacturer. The permittee shall initiate and record corrective action(s) within 24 hours. The permittee shall complete, as well as record, corrective action(s) as expediently as practical if the permittee finds that an abrasion hole, emissions problem, and/or plugging problem has developed during an inspection of the control device(s). Identification of an abrasion hole, emissions problem, and/or plugging problem and corrective action(s) shall be noted in the monthly inspection records. Inspection records shall be kept (see **Appendix 6** for example logs) and shall also include the initials of the person performing the inspection(s) and corrective action(s), along with the date, time, and any relevant comments. These records shall be retained in accordance with **Condition G12**.
5. Compliance with the fugitive emission limits shall be assured by taking reasonable precautions to prevent particulate matter from becoming airborne in accordance with **Condition G14.B**. The following measures constitute reasonable precautions for handling and processing sand and aggregate and loading of sand and aggregate to the weigh batcher(s): (1) wet material shall be utilized in handling aggregate, sand handling, and in weigh hopper loading; and (2) side enclosures shall be used as needed for ground storage.

6. Compliance with this condition is also based upon the production records required by **Condition S1-1** and U. S. EPA's AP-42 emission factors for concrete batching (**Table S1-2**). Compliance shall be assured by compliance with the production limits and associated recordkeeping requirements in **Condition S1-1**.

<b>Table S1-2: PM Emission Factors</b>	
<b>Description</b>	<b>PM Emission Rates</b>
Aggregate to ground storage	0.0069 lb/ton of aggregate loaded
Aggregate to conveyor	0.0069 lb/ton of aggregate loaded
Aggregate to elevated storage	0.0069 lb/ton of aggregate loaded
Sand to ground storage	0.0021 lb/ton of sand loaded
Sand to conveyor	0.0021 lb/ton of sand loaded
Sand to elevated storage	0.0021 lb/ton of sand loaded
Pneumatic Loading of Cement from Truck to Silo	0.00099 lb/ton of cement loaded
Pneumatic Loading of Cement Supplement from Truck to Silo	0.0089 lb/ton of cement supplement loaded
Weigh Hopper Loading	0.0048 lb/ton of sand and aggregate loaded
Truck Loading (Facilities Using Controlled Loadout)	0.098 lb/ton of cement and cement supplement loaded
Truck Loading (Facilities Using Uncontrolled Loadout)	1.118 lb/ton of cement and cement supplement loaded
Data source: U. S. EPA, <i>AP 42, Fifth Edition, Volume I Chapter 11: Mineral Products Industry</i> , Tables 11.12-2 and 11.2-5. EPA's emission factors are based on an average material composition of one cubic yard (4,024 lb) of concrete, which includes 1,865 lb of coarse aggregate, 1,428 lb of sand, 491 lb of cement, and 73 lb of cement supplement, and approximately 20 gallons of water.	

**(End of Conditions)**

## Appendix 1: Notification of Change in Responsible Person(s)

**Facility (Permittee)** \_\_\_\_\_

**Facility ID** \_\_\_\_\_

**Former Responsible Person**

Name

Title

**New Responsible Person**

Name

Title

**New Responsible Person Email**

**Date New Responsible Person was assigned this duty:**

**New Technical Contact**

Name

Title

**New Technical Contact Email**

**Date New Technical Contact was assigned this duty:**

**New Billing Contact**

Name

Title

**New Billing Contact Email**

**Date New Billing Contact was assigned this duty:**

As the Responsible Person of the above-mentioned facility (permittee), I certify that the information contained in this Notification is accurate and true to the best of my knowledge. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Signature

Date

Signer's name (print)

Title

Phone (with area code)

## Appendix 2: Notification of Changes

**Facility (Permittee)** \_\_\_\_\_

**Facility ID** \_\_\_\_\_

**Source No.** \_\_\_\_\_

	<b>Control Equipment</b>	<b>Stack Height (Feet)</b>	<b>Stack Diameter (Feet)</b>	<b>Exit Velocity (Feet/Second)</b>	<b>Exit Temperature (°F)</b>
Current					
Proposed					
Current					
Proposed					
Current					
Proposed					

Comments:

As the Responsible Person of the above-mentioned facility (permittee), I certify that the information contained in this Notification is accurate and true to the best of my knowledge. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Signature		Date
Signer's name (print)	Title	Phone (with area code)

## Appendix 3: Notification of Ownership Change

**Facility (Permittee):** \_\_\_\_\_ (Previous Owner)

**Facility ID:** \_\_\_\_\_

**Facility (Permittee):** \_\_\_\_\_ (New Owner) \_\_\_\_\_ Date of Ownership Change

**Secretary of State Control Number:** \_\_\_\_\_ [as registered with the TN Secretary of State (SOS)]

<b>Responsible Person/Authorized Contact</b>	Email Address
Mailing Address	Phone with area code
<b>Principal Technical Contact</b>	Email Address
Mailing Address	Phone with area code
<b>Billing Contact</b>	Email Address
Mailing Address	Phone with area code

As the responsible person for the new owner or operator of the above-mentioned facility (permittee):

- I agree to not make any changes to the stationary source(s) that meet the definition of modification as defined in Division 1200-03 or Division 0400-30<sup>1</sup>, and
- I agree to comply with the conditions contained in **the permits listed below**, Division 1200-03 and Division 0400-30 of the Tennessee Air Pollution Control Regulations, the Tennessee Air Quality Act, and any documented agreements made by the previous owner to the Technical Secretary.

List all active permits/Notices of Authorization/Notices of Coverage issued to the facility for which the owner wishes to assume ownership:

The information contained in this Notification is accurate and true to the best of my knowledge. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.

Signature		Date
Signer's name (print)	Title	Phone (with area code)

<sup>1</sup> Appropriate application forms must be submitted prior to modification of the stationary source(s).

## Appendix 4: Fees

All minor and conditional major source annual emission fees are due and payable to the Division in full according to SCHEDULE I below<sup>2</sup> unless otherwise specified in TAPCR 1200-03-26-.02(6)(c). The county that a source is located in determines when the minor source annual emission fee is due. Fees are due the first day of the month listed. If a source is located on contiguous property in more than one county, the county appearing earliest in the calendar year shall be used to determine the due date of the annual emission fee.

### SCHEDULE I Month the Annual Emissions Fee is Due (Accounting Period) Counties in the Monthly Grouping

January	Anderson, Bedford, Benton, Bledsoe, Blount, Bradley and Campbell
February	Cannon, Carroll, Carter, Cheatham, Chester, Claiborne, Clay and Cocke
March	Coffee, Crockett, Cumberland, Davidson, Decatur, DeKalb, Dickson, Dyer and Fayette
April	Fentress, Franklin, Gibson, Giles, Grainger, Greene and Grundy
May	Hamblen, Hamilton, Hancock, Hardeman, Hardin, Hawkins, Haywood and Henderson
June	Henry, Hickman, Houston, Humphreys, Jackson, Jefferson, Johnson, Knox, Lake, Lauderdale, Lawrence and Lewis
July	Lincoln, Loudon, McMinn, McNairy, Macon and Madison
August	Marion, Marshall, Maury, Meigs, Monroe, Montgomery, Moore and Morgan
September	Obion, Overton, Perry, Pickett, Polk, Putnam and Rhea
October	Roane, Robertson, Rutherford, Scott, Sequatchie, Sevier, and Shelby
November	Smith, Stewart, Sullivan, Sumner, Tipton, Trousdale, Unicoi and Union
December	Van Buren, Warren, Washington, Wayne, Weakley, White, Williamson and Wilson

<sup>2</sup> Note that some sources with allowable emissions below specific thresholds are not subject to the requirement to pay annual emission fees. Contact the Emission Inventory Program at [apc.inventory@tn.gov](mailto:apc.inventory@tn.gov) if you have any questions.

## Appendix 5: Table 2 Process Emission Standards

PROCESS EMISSION STANDARDS

CHAPTER 1200-03-07

**TABLE 2 NEW PROCESS EMISSION SOURCES ALLOWABLE RATE OF EMISSION  
BASED OF PROCESS WEIGHT RATE<sup>a</sup>**

Process Weight Rate		Rate of Emission		Process Weight Rate		Rate of Emission	
Lb/Hr	Tons/Hr	Lb/hr	Lb/hr	Tons/Hr	Lb/Hr	Lb/Hr	Lb/Hr
50	0.025	0.36	16,000	8.00	13.0		
100	0.05	0.55	18,000	9.00	14.0		
200	0.10	0.86	20,000	10.	15.0		
400	0.20	1.32					
600	0.30	1.70	30,000	15.	19.2		
800	0.40	2.03	40,000	20.	23.0		
1,000	0.50	2.34	50,000	25.	26.4		
1,500	0.75	3.00	60,000	30.	29.6		
2,000	1.00	3.59	70,000	35.	30.6		
2,500	1.25	4.12	80,000	40.	31.2		
3,000	1.50	4.62	90,000	45.	31.8		
3,500	1.75	5.08	100,000	50.	32.4		
4,000	2.00	5.52	120,000	60.	33.3		
5,000	2.50	6.34	140,000	70.	34.2		
6,000	3.00	7.09	160,000	80.	34.9		
7,000	3.50	7.81	200,000	100.	36.2		
8,000	4.00	8.5	1,000,000	500	46.8		
9,000	4.50	9.1					
10,000	5.00	9.7					
12,000	6.00	10.9					

<sup>a</sup> Interpolation of the data in Table 2 for the process weight rates up to 60,000 lbs/hr shall be accomplished by the use of the equation:

$$E = 3.59 P^{0.52} \text{ for } P \text{ less than or equal to } 30 \text{ tons/hr}$$

and interpolation and extrapolation of the data for process weight rates in excess of 60,000 lbs/hr shall be accomplished by use of the equation:

$$E = 17.31 P^{0.15} \text{ for } P \text{ greater than } 30 \text{ tons/hr}$$

Where: E = Emissions in pounds per hour  
P = Process weight rate in tons per hour

## Appendix 6: Example Logs

Daily Concrete Production					
Date	Production (cubic yards)	Date	Production (cubic yards)	Date	Production (cubic yards)
1		12		23	
2		13		24	
3		14		25	
4		15		26	
5		16		27	
6		17		28	
7		18		29	
8		19		30	
9		20		31	
10		21			
11		22			
<b>Total for the month of _____, 20__ :</b>					

Monthly Concrete Production					
Month	Production (cubic yards)	Month	Production (cubic yards)	Month	Production (cubic yards)
January		May		September	
February		June		October	
March		July		November	
April		August		December	
<b>Total(s) for calendar year 20__ :</b>					



