

# State of Mississippi



# FEDERALLY ENFORCEABLE AIR POLLUTION CONTROL PERMIT

Permit to Operate Air Emissions Equipment at a Synthetic Minor Source

# THIS CERTIFIES

Toyota Boshoku Mississippi LLC 1 TB Way Mantachie, MS Itawamba County

has been granted permission to operate air emissions equipment in accordance with emission limitations, monitoring requirements and conditions set forth herein. This permit is issued in accordance with the Federal Clean Air Act and the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. set., Mississippi Code of 1972), the regulations and standards adopted and promulgated thereunder, and the State Implementation Plan for operating permits for synthetic minor sources.

Mississippi Environmental Quality Permit Board

Mississippi Department of Environmental Quality

Issued/Modified: NOV 2 9 2016

Expires: NOV 3 0 2017

Permit No.

1240-00034

Agency Interest # 36479

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Toyota Boshoku Mississippi LLC Subject Item Inventory Permit Number: 1240-00034 Activity ID No.: PER20160001

### **Subject Item Inventory:**

ID	Designation	Description
AI36479	AA-000	Automotive Interior Systems Manufacturing Facility
AREA1	AA-100	Facility Wide Welding Operations
AREA2	AA-200	Facility Wide Coating and Cleaning Operations
AREA5	AA-500	Facility Wide Urethane Seat Foam Process (including the use of Molding Release Material)
AREA6	AA-600	Adhesive Operations
AREA7	AA-700	Plastic Molding Injection Process
EQPT1	AA-800	Facility Wide Comfort Heating with a total combined design capacity of 3.39 MMBTU/Hr.
EQPT3	AA-901	Three (3) 9,800L (or approximately three 2600 gallon) Polyol ASTs
EQPT4	AA-902	One (1) 38,000L (or approximately one 10,000 gallon) Isocyanate AST
EQPT5	AA-1001	Facility Standby Power Consisting of Two (2) 637.5 kW (855 hp) Diesel Generators.
EQPT6	AA-1002	Facility Fire Pump Engine with a 110 hp motor.

# **Subject Item**

Groups:

ID	Description	Components
GRPT1	Facility Wide Combustion Equipment	EQPT5 Facility Standby Power Consisting of Two (2) 637.5 kW (855 hp) Diesel Generators.
	Equipment	EQPT6 Facility Fire Pump Engine with a 110 hp motor.
GRPT2	Facility Wide Storage Tanks	EQPT3 Three (3) 9,800L (or approximately three 2600 gallon) Polyol ASTs
		EQPT4 One (1) 38,000L (or approximately one 10,000 gallon) Isocyanate AST

Toyota Boshoku Mississippi LLC Subject Item Inventory Permit Number: 1240-00034

Activity ID No.: PER20160001

KEY

ACT = Activity AI = Agency Interest

AREA = Area CAFO = Concentrated Animal Feeding Operation

CONT = Control Device EQPT = Equipment

IA = Insignificant Activity IMPD = Impoundment

MAFO = Animal Feeding Operation PCS = PCS

RPNT = Release Point TRMT = Treatment

WDPT = Withdrawal Point

Toyota Boshoku Mississippi LLC Facility Requirements Permit Number: 1240-00034 Activity ID No.:PER20160001

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### AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

## **Limitation Requirements:**

Condition		
No.	Parameter	Condition
L-1		Facility-Wide Emission Limitations
		The permittee shall limit volatile organic compound (VOC) emissions to no more than 99.0 tons/year (TPY) as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]
L-2		Facility-Wide Emission Limitations
		The permittee shall limit hazardous air pollutant (HAP) emissions to no more than 9.9 tons/year (TPY) of any single HAP and no more than 24.9 TPY of total combined HAPs as determined for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]

# **Monitoring Requirements:**

	<u> </u>	
Condition No.	on Parameter	Condition
M-1		Monitoring Requirements
		For the entire facility, the permittee shall determine for each coating, adhesive, solvent or other VOC or HAP containing material used:  (a) The quantity used (gallons);  (b) The percentage of VOCs by weight;  (c) The percentage of each individual HAP and total HAP by weight;  (d) The density (lbs/gal);
		The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24, 40 CFR 60, Appendix A and/or EPA Test Method 311, 40 CFR 63, Appendix A, and/or an alternate EPA approved test method. [11 Miss. Admin. Code Pt. 2, R.2.2.B(11).]

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### AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

## **Record-Keeping Requirements:**

Condition No.	Condition
R-1	Recordkeeping Requirements
	For the entire facility, the permittee shall maintain sufficient records to document:  (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material and the total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used on a monthly basis and in each consecutive 12-month period;  (b) The VOC and HAP content(s) of each coating, adhesive, solvent or other VOC or HAP containing material used. A description of the method used to determine the VOC and HAP content shall accompany this data;  (c) The density of each coating, adhesive, solvent or other VOC or HAP containing material used;  (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons/yr for each consecutive 12-month period. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]
R-2	Recordkeeping Requirements
	The permittee shall maintain copies of all records and reports on site for at least five (5) years and shall make them available upon request by Mississippi Department of Environmental Quality (MDEQ) personnel. [11 Miss. Admin. Code Pt. 2, R.2.2.B(10).]

# **Submittal/Action Requirements:**

Condition No.	Condition
S-1	General Condition: Except as otherwise specified herein, the permittee shall report all deviations from permit requirements, including those attributable to upsets, the probable cause of such deviations, and any corrective actions or preventive measures taken. Said report shall be made within five (5) working days of the time the deviation began. [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]
S-2	Except as otherwise specified herein, the permittee shall Submit a certified annual synthetic minor monitoring report: Due annually, by the 31st of January for preceding calendar year. This report shall address any required monitoring specified in the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(11).]

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### AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

## **Submittal/Action Requirements:**

Condition No.	Condition
S-3	For the entire facility, the permittee shall submit a monitoring report due annually by the 31st of January for the preceding calendar year. This report shall provide the following:  (a) The identification of each coating, adhesive, solvent or other VOC or HAP containing material used;  (b) The VOC and HAP content(s) of each coating, adhesive, solvent, or other VOC or HAP containing material used;  (c) The total gallons of each coating, adhesive, solvent or other VOC or HAP containing material used in each consecutive 12-month period;  (d) The total VOC emission rate, the emission rate of each individual HAP and the total HAP emission rate in tons per month and TPY for each consecutive 12-month period. [APC-S-2 II.B(11)]

Condition No.	Condition
T-1	General Condition: Any activities not identified in the application are not authorized by this permit. [Miss. Code Ann. 49-17-29 1.b]
T-2	General Condition: The permittee shall at all times maintain in good working order and operate as efficiently as possible all air pollution control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit. [11 Miss. Admin. Code Pt. 2, R. 2.5.A.]
T-3	General Condition: Solids removed in the course of control of air emissions shall be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering state waters without the proper environmental permits. [Miss. Code Ann. 49-17-29 1.a(i and ii)]
T-4	General Condition: Any diversion from or bypass of collection and control facilities is prohibited except as provided for in 11 Miss. Admin. Code Pt.2, R. 1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-5	General Condition: Should the Executive Director of the Mississippi Department of Environmental Quality declare an Air Pollution Emergency Episode, the permittee will be required to operate in accordance with the permittee's previously approved Emissions Reduction Schedule. [11 Miss. Admin.Code Pt. 2, R.2.10.]

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## AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

Condition No.	Condition
T-6	General Condition: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their authorized representatives, upon the presentation of credentials:  (a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit, and  (b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emission. [Miss. Code Ann. 49-17-21]
T-7	General Condition: After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to:  (a) Violation of any terms or conditions of this permit  (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or  (c) A change in any condition that required either a temporary or permanent reduction or elimination of authorized air emissions. [11 Miss. Admin.Code Pt. 2, R. 2.2.C.]
T-8	General Condition: This permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for this permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of the permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(b).]
T-9	General Condition: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality Office of Pollution Control. [Miss. Code Ann. 49-17-39]
T-10	General Condition: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(c).]
T-11	General Condition: Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the air cleaning facility, or from compliance with the applicable statutes of the State, or with local laws, regulations, or ordinances. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(7).]

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## AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

Condition No.	Condition
T-12	General Condition: This permit may only be transferred upon approval of the Mississippi Environmental Quality Permit Board. [11 Miss. Admin. Code Pt. 2, R. 2.16.B.]
T-13	General Condition: This permit is for air pollution control purposes only. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(1).]
T-14	General Condition: This permit is a Federally-approved permit to operate a synthetic minor source as described in 11 Miss. Admin. Code Pt. 2, R. 2.4.D [11 Miss. Admin.Code Pt. 2, R. 2.4.D.]
T-15	General Condition: The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [11 Miss. Admin.Code Pt. 2, R. 2.1.D(7).]
T-16	General Condition: The permittee shall furnish to MDEQ within a reasonable time any information MDEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to MDEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to MDEQ along with a claim of confidentiality. [11 Miss. Admin.Code Pt. 2, R. 2.2.B(15)(d).]

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### AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

Condition No.	Condition
T-17	General Condition: This permit does not authorize a modification as defined in 11 Miss. Admin. Code Pt. 2, Ch. 2 "Permit Regulations for the Construction and/or Operation of Air Emissions Equipment". Modification is defined as "Any physical change in or change in the method of operation of a facility which increases actual emissions or potential uncontrolled emissions of any air pollutant subject to regulation under the Federal Act emitted into the atmosphere by that facility or which results in the emission of any air pollutant subject to regulation under the Federal Act into the atmosphere not previously emitted. A physical change or change in the method of operation shall not include:  (a) routine maintenance, repair, and replacement;
	(b) use of an alternative fuel or raw material by reason of an order under Sections 2(a) and (b) of the Federal Energy Supply and Environmental Coordination Act of 1974 (or any superseding legislation) or by reason of a natural gas curtailment plan pursuant to the Federal Power Act; (c) use of an alternative fuel by reason of an order or rule under Section 125 of the Federal Act; (d) use of an alternative fuel or raw material by a stationary source which: (i) the source was capable of accommodating before January 6, 1975, unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.21 or under regulations
	approved pursuant to 40 CFR 51.166; or (ii) the source is approved to use under any permit issued under 40 CFR 52.51 or under regulations approved pursuant to 40 CFR 51.166; (e) an increase in the hours of operation or in the production rate unless such change would be prohibited under any federally enforceable permit condition which was established after January 6, 1975, pursuant to 40 CFR 52.51, or under regulations approved pursuant to Subpart I or 40 CFR 51.166; or (f) any change in ownership of the stationary source" [11 Miss. Admin.Code Pt. 2, R. 2.1.D(2).]
T-18	General Condition: It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. [11 Miss. Admin.Code Pt. 2, R.2.2.B(15)(a).]
T-19	General Condition: The permittee shall retain all required records, monitoring data, supported information and reports for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-chart recordings or other data for continuous monitoring instrumentation, and copies of all reports required by this permit. Copies of such records shall be submitted to MDEQ as required by Applicable Rules and Regulations or this permit upon request. [11 Miss. Admin.Code Pt. 2, R.2.9.]
T-20	General Condition: The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for constructing or operating without a valid permit. [11 Miss. Admin.Code Pt. 2, R.2.2.B(5).]

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#### AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

### **Narrative Requirements:**

Condition No.	Condition
T-21	General Condition: Emergencies  (a) Except as otherwise specified herein, an emergency means any situation arising from sudden and reasonably unforseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.  (b) An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions specified in (c) following are met.  (c) The affirmative defense of emergency shall be demonstrated through properly signed contemporaneous operating logs, or other relevant evidence as follows: (i) an emergency occurred and that the permittee can identify the cause(s) of the emergency; (ii) the permitted facility was at the time being properly operated; (iii) during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and (iv) the permittee submitted notice of the emergency to MDEQ within two (2) working days of the time when emission limitations were exceeded due to the emergency which contained a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.  (d) In any enforcement proceeding, the permittee seeking to establish the occurrence of any emergency has the burden of proof.  (e) This provision is in addition to any emergency or upset provision contained in any applicable requirement specified elsewhere herein [11 Miss. Admin.Code Pt. 2, R.2.2.B(10).]
T-22	General Condition: Upsets  (a) The occurrence of an upset constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards or other requirements of Applicable Rules and Regulations or any applicable permit if the permittee demonstrates through properly signed contemporaneous operating logs, or other relevant evidence that include information as follows: (i) an upset occurred and that the permittee can identify the cause(s) of the upset; (ii) the source was at the time being properly operated; (iii) during the upset the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the upset to the DEQ within five (5) working days of the time the upset began which contained a description of the upset, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

(c) This provision is in addition to any upset provision contained in any applicable requirement. [11 Miss. Admin.Code Pt. 2, R.1.10.]

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## AI0000036479 (AA-000) Automotive Interior Systems Manufacturing Facility:

Condition No.	Condition
T-23	General Condition: Startups and Shutdowns  (a) Startups and shutdowns are part of normal source operation. Emissions limitations applicable to normal operation apply during startups and shutdowns except as follows: (i) when sudden, unavoidable breakdowns occur during a startup or shutdown, the event may be classified as an upset subject to the requirements above; (ii) when a startup or shutdown is infrequent, the duration of excess emissions is brief in each event, and the design of the source is such that the period of excess emissions cannot be avoided without causing damage to equipment or persons; or (iii) when the emissions standards applicable during a startup or shutdown are defined by other requirements of Applicable Rules and Regulations or any applicable permit.  (b) In any enforcement proceeding, the permittee seeking to establish the applicability of any exception during a startup or shutdown has the burden of proof.  (c) In the event this startup and shutdown provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-24	General Condition: Maintenance  (a) Maintenance should be performed during planned shutdown or repair of process equipment such that excess emissions are avoided. Unavoidable maintenance that results in brief periods of excess emissions and that is necessary to prevent or minimize emergency conditions or equipment malfunctions constitutes an affirmative defense to an enforcement action brought for noncompliance with emission standards, or other regulatory requirements if the permittee can demonstrate the following:  (i) the permittee can identify the need for the maintenance; (ii) the source was at the time being properly operated; (iii) during the maintenance the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements of Applicable Rules and Regulations or any applicable permit; (iv) the permittee submitted notice of the maintenance to MDEQ within five (5) working days of the time the maintenance began or such other times as allowed by MDEQ, which contained a description of the maintenance, any steps taken to mitigate emissions, and corrective actions taken.  (b) In any enforcement proceeding, the permittee seeking to establish the applicability of this section has the burden of proof.  (c) In the event this maintenance provision conflicts with another applicable requirement, the more stringent requirement shall apply. [11 Miss. Admin.Code Pt. 2, R.1.10.]
T-25	General Condition: For renewal of this permit the applicant shall make application not less than one-hundred eighty (180) days prior to the expiration date of the permit substantiated with current emissions data, test results or reports or other data as deemed necessary by the Mississippi Environmental Quality Permit Board. [11 Miss. Admin.Code Pt. 2, R.2.8.]

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#### AREA000000005 (AA-500) Facility Wide Urethane Seat Foam Process (including the use of Molding Release Material):

## **Limitation Requirements:**

Condition No.	Parameter	Condition
L-1		The permittee is subject to 40 CFR 63-National Emission Standards for Hazardous Air Pollutants, specifically Subpart OOOOOO-Flexible Polyurethane Foam Production and Fabrication Area Sources and shall comply with the applicable provisions. [40 CFR 63.11414(a)(2), 40 CFR 63.11414(b)(2), 40 CFR 63.11414(d)]
L-2		The permittee shall achieve compliance upon startup of the Foam Process. [40 CFR 63.11415(d)]
L-3		The permittee shall not use any material containing methylene chloride as an equipment cleaner to flush the mixhead or elsewhere as an equipment cleaner, or use a mold release agent containing methylene chloride. [40 CFR 63.11416(c)]

## **Submittal/Action Requirements:**

Condition No.	Condition
S-1	The permittee shall have a compliance certification on file by the compliance date as defined in 40 CFR 63.11415(d). This certification shall contain the following statements and shall be signed by a responsible official.  (1) This facility does not use any equipment cleaner to flush the mixhead which contains methylene chloride, or any other equipment cleaner containing methylene chloride in a molded flexible polyurethane foam process in accordance with 40 CFR 63.11416(c)(1).  (2) This facility does not use any mold release agent containing methylene chloride in a molded flexible polyurethane foam process in accordance with 40 CFR 63.11416(c)(2).  [40 CFR 63.11417(c)(1)]

## **GENERAL INFORMATION**

Toyota Boshoku Mississippi LLC 1 TB Way Mantachie, MS Itawamba County

#### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
36479	Toyota Boshoku Mississippi, LLC	Official Site Name	09/01/2016	
124000034	Toyota Boshoku America	Air-Construction	01/11/2008	
124000034	Toyota Boshoku America	Air-Synthetic Minor Operating	01/11/2008	12/14/2012
36479	Toyota Boshoku America	No Exposure Certification	06/19/2009	03/30/2014
MSR000104992	Toyota Boshoku Mississippi LCC	Hazardous Waste-EPA ID	05/18/2011	
2805700034	Toyota Boshoku Mississippi, LCC	Air-AIRS AFS	01/11/2008	
124000034	Toyota Boshoku America	Air-Synthetic Minor Operating	12/14/2012	11/30/2017
36479	Toyota Boshuko America	No Exposure Certification	03/31/2014	03/30/2019
36479	Toyota Boshoku America	Historic Site Name	11/16/2007	09/01/2016

Basin: Tombigbee River Basin

**Location Description:** PG - Plant Entrance (General) collected by swatkins on 11/20/2008 form completed by Brad Justice 06.03.2009