

STATE OF TENNESSEE
AIR POLLUTION CONTROL BOARD
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
NASHVILLE, TENNESSEE 37243



OPERATING PERMIT Issued Pursuant to Tennessee Air Quality Act

Date Issued: December 12, 2019	Permit Number
Date Expires: July 1, 2029	076626
	Facility ID: 54-0047
Issued To: ABB Installation Products Inc.	Installation Address 260 Dennis Street Athens
Installation Description Electroplating Machine : Zinc Plating and Chromium Conversion with a Wet Packed –Bed Scrubber Control	Emission Source Reference No. 54-0074-14 TM NESHAP, Subpart WWWWWW

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).

General Conditions

- G1.** The application that was utilized in the preparation of this permit is dated March 20, 2019 and is signed by Shane Sparks, Plant Manager for the permitted facility. If this person terminates employment or is assigned different duties and is no longer the responsible person to represent and bind the facility in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Technical Secretary of the change. Said notification shall be in writing and submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the facility in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of 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)

(conditions continued on next page)


TECHNICAL SECRETARY

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.

POST AT INSTALLATION ADDRESS

G2. Visible and Fugitive Emissions

- A. 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. Visible emissions from this source shall be determined by EPA Method 9, as published in the current 40 CFR 60, Appendix A (six-minute average).

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

- B. 1) No person shall 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. Such reasonable precautions shall include, but not be limited to, the following:

- (a) 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;
- (b) Application of asphalt, water, or suitable chemicals on dirt roads, material stock piles, and other surfaces which can create airborne dusts;
- (c) 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.

2) No person shall 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. Fugitive emissions from this source(s) shall be determined by Tennessee Visible Emissions Evaluation Method 4 as adopted by the Tennessee Air Pollution Control Board on April 16, 1986.

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

- C. Visible emissions from roads and parking areas shall not exhibit greater than ten percent opacity 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.

TAPCR 1200-03-08-.03

G3. Facility-wide Limitations

“Reserved”

G4. 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 two years. The date each maintenance and repair activity began shall be entered in the log no later than 30 days following the start of the repair or maintenance activity, and the completion date shall be entered in the log no later than 30 days from activity completion.

G5. General Recordkeeping Requirements

A. The following recordkeeping requirements shall apply to this facility:

- 1) For monthly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than 30 days from the end of the month for which the data is required.
- 2) For weekly recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven days from the end of the week for which the data is required.
- 3) For daily recordkeeping, all data, including the results of all calculations, must be entered into the log no later than seven days from the end of the day for which the data is required.
- 4) All maintenance activities required by **Condition G4** (including any ongoing maintenance that has not been completed) shall be entered in the maintenance log no later than 30 days following the start of the maintenance.

B. Logs and records specified in this permit shall be kept readily available/accessible and made available upon request by the Technical Secretary or a Division representative and shall be retained for a period of not less than two years unless otherwise noted. Logs and records contained in this permit are based on a recommended format. Any logs that have an alternative format may be utilized provided such logs contain the same or equivalent information that is required. Computer-generated logs are also acceptable.

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

G6. Other State and Federal Regulations

This source shall comply with all applicable state and federal air pollution regulations. This includes, but is not limited to, all applicable provisions of the Tennessee Air Pollution Control Comprehensive Rules and Regulations, federal regulations published under 40 CFR 61 and 40 CFR 63 for sources of hazardous air pollutants, and federal regulations published under 40 CFR 60, New Source Performance Standards.

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

G7. Startup, Shutdown, and Malfunction Requirements

The facility must take all reasonable measures to keep emissions to a minimum during source startups, shutdowns, and malfunctions. These measures may include installation and use of alternate control systems, changes in operating methods or procedures, cessation of operation until the process equipment and/or air pollution control equipment is repaired, maintaining sufficient spare parts, use of overtime labor, use of outside consultants and contractors, and other appropriate means. 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 1200-03-20-.02(1)

G8. Excursions

“Reserved”

G9. Application and Agreement Letters

This source shall operate in accordance with the terms of this permit, the information submitted in the approved permit application referenced in **Condition G1**, and any documented agreements made with the Technical Secretary.

TAPCR 1200-03-09-.01(1)(d)

G10. Permit Transference

- A. This 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, written notification of the ownership change requesting a permit amendment must be submitted to the Technical Secretary no later than 30 days after the change occurs. This notification must include an agreement to abide by the terms of the permit, Division 1200-03 and Division 0400-30 of the Tennessee Comprehensive Rules and Regulations, the Tennessee Air Quality Act, and any documented agreements made by the previous owner to the Technical Secretary.

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

G11. Operating Permit Application Submittal

The permittee shall apply for renewal of this permit not less than 60 days prior to its expiration date. The renewal application shall be delivered to the Division at the address listed below or in Adobe Portable Document Format via e-mail.

Tennessee Dept. of Environment & Conservation
Division of Air Pollution Control
Permitting Program
William R. Snodgrass TN Tower, 15th Floor
312 Rosa L. Parks Avenue
Nashville, TN 37243

Adobe Portable Document Format (PDF)
or Copy to: Air.Pollution.Control@TN.gov

TAPCR 1200-03-09-.02(1) and 1200-03-09-.02(3)

G12. Compliance with Operating Permit and Regulations

Operation of each air contaminant source shall be in accordance with the provisions and stipulations set forth in the operating permit, all provisions of the Tennessee Division of Air Pollution Control Comprehensive Rules and Regulations, and all provisions of the Tennessee Air Quality Act.

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

G13. Fees

This source 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 detailed in TAPCR 1200-03-26 of the Tennessee Air Pollution Control Regulations.

TAPCR 1200-03-26-.02

G14. Emission Statements

“Reserved”

G15. Startup Certification

“Reserved”

Source Specific Conditions for Source 54-0047-14: Electroplating Machine: Zinc coating and chromium conversion with a wet packed-bed scrubbers control

S1-1. This source shall be operated in compliance with all applicable requirements of 40 CFR Part 63, Subpart WWWW (6W) – National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations, including, but not limited to, **Conditions S1-2 through S1-6.**

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

S1-2. Pursuant to 40 CFR §63.11507(g), the permittee of an affected existing plating and polishing process unit that contains, applies, or emits one or more of the plating and polishing metal HAPs, applicable management practices listed in paragraphs (a) through (l) of this condition, must be implemented as practicable.

- (a) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
- (b) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
- (c) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
- (d) Use tank covers, if already owned and available at the facility, whenever practicable.
- (e) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
- (f) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
- (g) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
- (h) Maintain quality control of chemicals all bath ingredient concentrations in the tanks, as practicable.
- (i) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
- (j) Minimize spills and overflow of tanks, as practicable.
- (k) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
- (l) Perform regular inspections to identify leaks and other opportunities for pollution prevention.

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

S1-3. Pursuant to 40 CFR §63.11508(b), the permittee must be in compliance with the applicable management practices and equipment standards in 40 CFR Part 63 Subpart 6W at all times.

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

S1-4. Pursuant to 40 CFR §63.11508(d), in order to demonstrate continuous compliance with the applicable management practices and equipment standards, specified in 40 CFR Part 63 Subpart 6W, the permittee must satisfy the requirements specified in paragraphs (a) through (d) of this condition.

- (a) The air pollution control equipment must be maintained and in operation during the operation of the affected source;
- (b) The permittee must prepare an annual compliance certification according to the requirements specified in §63.11509(c), “Notification, Reporting, and Recordkeeping,” and kept it in a readily-accessible location for inspector review.

- (c) The permittee must demonstrate continuous compliance with the applicable management practices stated in **Condition S1-2** according to provisions (i) and (ii).
- (i) The permittee must implement the applicable management practices during all times that the affected tank or process is in operation.
- (ii) The permittee must state in the annual compliance certification that the applicable management practices have been implemented, as practicable.

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

S1-5. Pursuant to 40 CFR §63.11509(e), the permittee must keep the records specified in paragraphs (a) through (c) of this condition.

- (a) A copy of any Initial Notification and Notification of Compliance Status that was submitted and all documentation supporting those notifications.
- (b) The records specified in 40 CFR §63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of 40 CFR Part 63.
- (c) The records required to show continuous compliance with each management practice and equipment standard that applies, as specified in 40 CFR §63.11508(d).

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

S1-6. Pursuant to 40 CFR §63.10(b)(1), the permittee of an affected source subject to the provisions of 40 CFR Part 63 shall maintain files of all information (including all reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

TAPCR 1200-03-09-.03(8) and TAPCR 1200-03-10-.02(2)(a)

S1-7. Particulate matter (PM) emitted from this source shall not exceed 0.00835 pounds per hour (lb/hr) and 0.0366 tons per year.

TAPCR 1200-03-07-.01(5) and the agreement letter dated February 14, 2018.

Compliance Method: Compliance with this limit shall be assured by maintaining a minimum scrubber liquid flow rate of 60 gallons per minute. The permittee shall measure and record the scrubber flow (gallons per minute) rate once per day while the source is in operation (see example log below). All data shall be recorded in the log within seven days of the end of the day for which the data is required. These records must be retained for a period of not less than two years.

Month: _____ Year: _____

Day	scrubbing liquid flow rate (gallons per minute)	Is the source in operation (yes or no)?

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

(End of Conditions)

The permit application gives the location of this source as 35.457389 Latitude and 84.604261 Longitude.