

**CURRENT EMISSIONS REQUIREMENTS AND EMISSION SUMMARY**COMPANY NAME: Denso Manufacturing Athens Tennessee, Inc.1. EMISSION SOURCE REFERENCE NUMBER: 54-0158NONATTAINMENT:      ATTAINMENT: X2. LOG #: 4819113A. PERMIT STATUS: NEW X RENEWAL      RELOCATION     3B. PREVIOUS PERMIT NUMBER: CONSTRUCTION: 978607 OPERATING: 464514

4. IDENTIFY IF ONLY A PART OF THE SOURCE IS SUBJECT TO THIS REQUIREMENT	5. POLLUTANT	6. APPLICABLE REQUIREMENT(S): TN AIR POLLUTION CONTROL REGULATIONS, 40 CFR, PERMIT RESTRICTIONS, AIR QUALITY BASED STANDARDS	7. LIMITATION	8. MAXIMUM ACTUAL EMISSIONS			9. MAXIMUM ALLOWABLE EMISSIONS	
				IN UNITS OF ITEM 7	POUNDS / HOUR	TONS / YEAR	POUNDS / HOUR	TONS / YEAR
Facility Wide	VOC	1200-03-09-.02(11)(a)						99.0
	Single HAP	1200-03-09-.02(11)(a)						9.9
	Total HAP	1200-03-09-.02(11)(a)						24.9
Source 29	PM	1200-03-26-.02(6)(b)					1.0	4.4
Source 44	PM	1200-03-07-.04(1)	0.02 gr/dscf				2.53	11.1
Sources 29 and 44	SO <sub>2</sub>	1200-03-26-.02(6)						0.00108
	VOC	1200-03-09-.02(11)(a)						-
	NO <sub>x</sub>	1200-03-26-.02(6)						0.18
Source 30	VOC	1200-03-09-.02(11)(a)						-
Source 38	PM	1200-03-07-.04(1)	0.02 gr/dscf		0.25	1.09	15.92	69.73
	CO	1200-03-07-.07(2)			2.75	12.05	2.75	12.05
	NO <sub>x</sub>	1200-03-07-.07(2)			2.1	9.2	2.1	9.2
	SO <sub>2</sub>	1200-03-14-.01(3)			0.02	0.09	0.02	0.09
	VOC	1200-03-09-.02(11)(a)						-
Sources 46 and 48	PM	1200-03-07-.01(5), 1200-03-26-.02(6)(b)					1.0	4.4
	SO <sub>2</sub>	1200-03-26-.02(6)(d)						0.00114
	VOC	1200-03-09-.02(11)(a)						-
	NO <sub>x</sub>	1200-03-26-.02(2)(d)						0.19
	HF	1200-03-03-.03(1)(b)					1.0	4.4
ALL	OPACITY	1200-03-05-.01(1) and 1200-03-05-.03(6)	20%	SOURCE OF DATA FOR EMISSIONS IN ITEM 8: Application dated November 28, 2023, Previous Permits 464514, 978607, and Agreement Letter dated March 22, 2024.				

IF THIS IS NOT A TITLE V SOURCE, IS THIS A DEFERRED SOURCE (SUBJECT TO NSPS OR NESHAPS) OR A SYNTHETIC MINOR SOURCE? No  
IF THE ANSWER IS YES, EXPLAIN:

Note: This is a combined construction permit (Source 46) and conditional major permit amendment to Source 38

Engineering Specialist: SK

Date: March 05, 2024

# CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: Denso Manufacturing Athens, Tennessee, Inc. File Number: 54-0158 EPS Initials: SK

Permit Number(s): 481911 Source Point Number(s): 00

Application Received (date): November 01, 2023 Application Complete (date): November 28, 2023

Air Quality Analysis Performed? Yes ☐ No ☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

This permit action combines a construction permit for a new zonal ECU cleanroom operation (Source 48) and the amendment to reflect the modification to Source 38 (Permit# 978607).

The construction permit is to add a new zonal ECU (Electronic control unit) cleanroom process which consists of nine sealant, service and sealer coat lines (three manual and six automated lines). Existing thermal oxidizers (N-TO and S-TO) will be used for emission control.

This new source 48 is abated to the same thermal oxidizers as Source 46 and is in the same building, they have the same PM and VOC emission limits as Source 46.

The facility has agreed to emission limitations of 99.0 tons of VOC per year, 9.9 tons/year of any single HAP and 24.9 tons/year of combined HAPs in an agreement letter dated October 9, 2003. The facility is a conditional major for VOC, individual and total HAP emissions.

Performance testing was conducted to establish the minimum TO combustion temperature for the N-TO on January 14 – 15, 2020, and for the S-TO on October 30, 2018, in accordance with Condition S3-8 of Permit# 978607. The test for the N-TO was accepted by Compliance Validation in a letter dated March 21, 2019. Testing for the S-TO was accepted by Compliance Validation in a letter dated March 21, 2019.

## Rules Analysis

Title V ☐ Cond. Major ☒ Minor ☐ Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes ☐ No ☒

Reason for PSD:	New source above ____ TPY	<input type="checkbox"/>	Sig. increase in ____ emissions	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NSPS:	40 CFR Part 60, Subpart ____	<input type="checkbox"/>	State Rule 1200-3-16-. ____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 61, Subpart ____	<input type="checkbox"/>	State Rule 1200-3-11-. ____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Applicable NESHAP:	40 CFR Part 63, Subpart ____	<input type="checkbox"/>	State Rule 1200-3-31-. ____	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

## Other Applicable State Rules

TSP Emissions:	1200-03- ____ -.	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	NO <sub>x</sub> Emissions:	1200-03- ____ -.	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
SO <sub>2</sub> Emissions:	1200-03- ____ -.	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	Lead Emissions:	1200-03- ____ -.	<input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
CO Emissions:	1200-03- ____ -.	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	____ Emissions:	1200-03- ____ -.	<input type="checkbox"/>	N/A <input type="checkbox"/>
VOC Emissions:	1200-03- ____ -.	<input checked="" type="checkbox"/>	N/A <input type="checkbox"/>	____ Emissions:	1200-03- ____ -.	<input type="checkbox"/>	N/A <input type="checkbox"/>

Visible emissions from this source not to exceed 20% opacity per EPA Method 9 1200-03- 05-.01(1)  
and 1200-03- 05-.03(6)

Visible emissions from	_____	not to exceed	_____	opacity per TVEE Method	_____	1200-03-	_____
Visible emissions from	_____	not to exceed	_____	opacity per EPA Method	_____	1200-03-	_____

Comments: \_\_\_\_\_

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