

2023 Annual Compliance Certification Report

MCAQD Title V Permit Number: P0010018

Facility ID: F000701

Date Submitted: January 29, 2024

Submitted To:

Maricopa County Air Quality Department
301 W. Jefferson St., Suite 410
Phoenix, AZ 85003

Submitted By:

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**2023 Annual Compliance Certification Report
Intel Ocotillo Facility
Chandler, Arizona**

1. Introduction

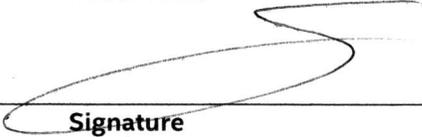
Intel Corporation's (Intel) Ocotillo Facility (Facility ID F000701), located at 4500 South Dobson Road in Chandler, Arizona, operates under Title V Permit Number P0010018 (Permit) issued by Maricopa County Air Quality Department (MCAQD). In accordance with the requirements of Permit Condition 40.c., Intel has prepared this 2023 Annual Compliance Certification Report (Report) for the certification period from January 1, 2023 through December 31, 2023. The supporting first half (H1) and second half (H2) 2023 Semi-Annual Monitoring Reports have been submitted under separate cover. The H1 2023 Semi-Annual Compliance Report was submitted on July 27, 2023 and the H2 2023 Semi-Annual Compliance Report has been submitted along with this Report.

2. Annual Compliance Certification

The table in Attachment A lists the conditions of the Permit and indicates the Ocotillo Facility's compliance status with each permit condition, whether compliance was continuous or intermittent over the certification period, and the method(s) used for determining the compliance status.

3. Responsible Official Certification

I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

<p>Zivit Katz-Tsameret</p> <hr/> <p>Printed Name</p>	<p>Vice President, Manufacturing, Supply Chain and Operations Factory Manager, Ocotillo Technology Fabrication</p> <hr/> <p>Title</p>
 <hr/> <p>Signature</p>	<p>1/26/24</p> <hr/> <p>Date</p>



Attachment A

2023 Annual Compliance Certification Report					
The identification of each term or condition of the permit that is the basis of certification			Compliance Status	Compliance: Continuous or Intermittent?	The method(s) used for determining the compliance status of the source, currently and over the reporting period
Section	Condition	Description			
Specific Conditions	1	Allowable Source-Wide HAP Emissions Limitations	Compliant	Continuous	12 month rolling emissions calculations
	2	Plantwide Applicability Limits (PALs)	Compliant	Continuous	12 month rolling emissions calculations
	3	PAL General Requirements	Compliant	Continuous	Site record retention program; Semi annual monitoring report; Site performance test reports
Semiconductor Manufacturing	4	Solvent Cleaning Stations	Compliant	Continuous	ESO (Equipment Sign Off) program; Semi-annual Title V compliance certification process; Site performance test reports; Site inspections
	5	Solvent Storage and Disposal	Compliant	Continuous	Site waste disposal specifications; Site hazardous waste program; Semi-annual Title V compliance certification process; Site inspections
	6	Semiconductor Systems	Compliant	Continuous	BSSW operational records (SCADA data) Logging of conditions during upsets
	7	Control Requirements	Compliant	Continuous	Site performance test reports; VOC abatement unit operational records (O&M rounds and readings forms, SCADA data); Wet acid scrubber operational records (O&M rounds and readings forms) Logging of conditions during upsets Based on May 25 event did not constitute deviation
	8	Operations and Maintenance (O&M) Plans	Compliant	Continuous	Submittal of O&M Plans and updates as necessary; Routine review of O&M plans with affected parties; Scheduling and tracking of preventative maintenance; Title V air permit and technician certification training programs; Review and documentation of control device operating parameters; Control device malfunction log
Emergency Engines	9	Operational Limitations - All Engines	Compliant	Continuous	Documentation and review of monthly engine run hours; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	10	Fuel Limitations - All Engines	Compliant	Continuous	Maintain fuel receipts; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	11	Emissions Limitations/Standards - IIII	Compliant	Continuous	Maintain engine manufacturer specification sheets; ISO 14001 self assessment program
	12	Operating Requirements - IIII	Compliant	Continuous	Maintain engine manufacturer specification sheets; Maintain preventative maintenance procedures per O&Ms; Scheduling and tracking of preventative maintenance; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	13	Fuel Limitations - IIII	Compliant	Continuous	Maintain fuel receipts; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	14	Monitoring - IIII	Compliant	Continuous	Maintain non-resettable meters; Documentation and review of monthly engine run hours; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	15	General Compliance Requirements - ZZZZ	Compliant	Continuous	Maintain preventative maintenance procedures per O&Ms; Scheduling and tracking of preventative maintenance; ISO 14001 self assessment program
	16	Operating Requirements - ZZZZ	Compliant	Continuous <i>Annual preventative maintenance (PM) deadline extension granted by MCAQD for Fab 22 CPS EGENs #1, #3, and #4 in 2023.</i>	Maintain preventative maintenance procedures per O&Ms; Scheduling and tracking of preventative maintenance; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	17	Work and Management Practices - ZZZZ	Compliant	Continuous	Maintain preventative maintenance procedures per O&Ms; Scheduling and tracking of preventative maintenance; ISO 14001 self assessment program
External Combustion Sources	18	Operational Limitations	Compliant	Continuous	ESO (Equipment Sign Off) program; Monthly review of equipment natural gas usage (SCADA data); Scheduling and tracking of preventative maintenance; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
	19	Emission Limitations – Nitrogen Oxides and Carbon Monoxide	Compliant	Intermittant <i>On 1/12/2023, performance testing of Fab 42 boiler #1 indicated an exceedance of the units NOx emissions limit. Refer to the H1 2023 Semi-Annual Report.</i>	Performance testing program; ISO 14001 self assessment program
	20	New Source Performance Standard (NSPS)	Compliant	Continuous	Equipment addition/modification process; Equipment construction and start up notifications

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Cooling Tower Operations	21	Operating Limitations	Compliant	Continuous	Review monthly TDS sample results; Maintain drift eliminator manufacturer specification sheets; Scheduling and tracking of preventative maintenance; 12 month rolling emissions calculations; Semi-annual Title V compliance certification process
Architectural Coating Operations	22	Operational Limitations / Standards	Compliant	Continuous	Chemical approval program; Semi-annual Title V compliance certification process
Surface Coating Operations	23	Rule 336 Applicability	Compliant	Continuous	Chemical approval program; Semi-annual Title V compliance certification process
	24	40 CFR 63 Subpart HHHHHH Applicability	Not Applicable <i>No activities subject to this requirement occurred in 2023.</i>		
Storage Silos	25	Process Emission Limitations and Controls	Compliant	Continuous	ESO (Equipment Sign Off) program; Semi-annual Title V compliance certification process
Industrial Wastewater (IWW) Plant	26	Standards	Compliant	Continuous	Odor log; Site inspections; Semi-annual Title V compliance certification process
	27	Limitation - Hydrogen Sulfide (H ₂ S)	Compliant	Continuous	Odor Log; Maintain compliance demonstration records; Semi-annual Title V compliance certification process
Fugitive Dust From Dust Generating Operations	28	General Requirements for Dust Generating Operations	Compliant	Continuous	Rule 310 comprehensive certifications; Title V air permit training program; Review of contractor dust control training records; Implementing control measures per Dust Control Plan; Daily dust inspections; Annual review of site Dust Control Plan; Ad-hoc review and revision (if needed) of site Dust Control Plan; Routine review of upcoming site projects; Maintain and review contractor Dust Control Permits; Site record retention program; Semi-annual Title V compliance certification process
	29	Exemptions	Compliant	Continuous	
	30	Dust Control Plan Requirements	Compliant	Intermittent <i>Two dust control permit deviations occurred in 2023. Refer to the H1 and H2 Semi-Annual Reports.</i>	
	31	Visible Emission Requirements for Dust-Generating Operations	Compliant	Continuous	
	32	Exemptions from Dust-Generating Operation Opacity Limitation Requirement	Not applicable <i>No activities subject to this requirement occurred in 2023.</i>		
	33	Stabilization Requirements for Dust-Generating Operations	Compliant	Continuous	
	34	Soil Moisture	Compliant	Continuous	
	35	Dust Control Training Classes for Dust-Generating Operations	Compliant	Continuous	
	36	Dust Control Plan Revisions	Compliant	Continuous	
	37	Records Retention	Compliant	Continuous	
Site Wide Requirements	38	Opacity	Compliant	Continuous	Site inspections
	39	Record Keeping	Compliant	Continuous	Site record retention program which includes, but is not limited to, retention of the following: -Monthly material purchase records -Waste manifest records -Emission control system maintenance records -Emission control system operational records (O&M rounds and readings, SCADA data) -Chemical approval records -Engine one-time entry table -Engine operation log -Engine manufacturer specification sheets -Engine manufacturer O&M manuals -Natural gas usage records -VOC abatement unit negative header pressure records -Odor log -Dust inspection log -Dust control training records -Contractor dust control training and registration records -Performance testing reports ISO 14001 self assessment program
	40	Reporting	Compliant	Continuous	Semi Annual Monitoring Reports; Annual Compliance Certification Report; Emission Factor Report; Equipment construction and startup notifications; ISO 14001 self assessment program
	41	Performance Testing	Compliant	Continuous	Site performance testing program; Submittal of testing protocol, test date notifications, and test reports
	42	Air Pollution Prohibited	Compliant	Continuous	Site Title V air program
	43	Circumvention	Compliant	Continuous	Annual Applicability Review; Site Technology Transfer Process; Site ESO (Equipment Sign Off) Program; Semi-Annual Title V Compliance Certification Process;
	44	Certification of Truth, Accuracy, and Completeness	Compliant	Continuous	Peer review process; Certification included in necessary submittals

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Site Wide Requirements (continued)	45	Compliance required	Compliant	Intermittant <i>Permit deviations occurred in 2023, causing compliance to be intermittent. Refer to the 2023 Semi-Annual Reports.</i>	Annual Applicability Review; Semi-annual Title V Compliance Certification Process; Annual Compliance Certification Report; Site inspections
	46	Confidentiality Claims	Compliant	Continuous	Claims of confidentiality are submitted to MCAQD as necessary, along with a public version of the information
	47	Contingent Requirements (Asbestos)	Compliant	Continuous	EHS employee is certified AHERA building inspector; Disturbance of building material process; Submittal of demolition notifications to MCAQD as necessary; Site inspections; ISO 14001 self assessment program
		Contingent Requirements (RMP)	Compliant	Continuous	Submittal of RMP as required; Semi-annual Title V compliance certification process; ISO 14001 self assessment program
		Contingent Requirements (Stratospheric Ozone Protection)	Compliant	Continuous	Site refrigerant program; Site refrigerant specifications; Semi-annual Title V compliance certification process; Site inspections; ISO 14001 self assessment program
	48	Duty to Supplement or Correct Application	Compliant	Continuous	Peer review process for deliverables
	49	Emergency Episodes	Not applicable No emergency episodes occurred in 2023.		Review of air pollution alert, warning, or emergency declarations
	50	Emergency Provisions	Not applicable No emergency situations occurred in 2023.		Deviation log
	51	Excess Emissions	Compliant	Continuous	Excess emissions notifications and reports
	52	Fees	Compliant	Continuous	Fees are reviewed and paid via IMPACT
	53	Modeling	Compliant	Continuous	Modeling conducted and submitted as required
	54	Monitoring and Testing	Compliant	Continuous	Site performance testing program
	55	Permits	Compliant	Continuous	Permit modification and renewal applications submitted as necessary; Peer review process; Permit posted onsite on bulletin board; ISO 14001 self assessment program
	56	Recordkeeping	Compliant	Continuous	Site record retention program
	57	Reporting	Compliant	Continuous	Annual emissions inventory submitted to MCAQD; Deviation log; Semi-Annual Monitoring Reports; Annual Compliance Certification Report; Peer review process; Semi-Annual Title V Compliance Certification Process
58	Right to Entry and Inspection of Premises	Compliant	Continuous	MCAQD personnel granted access to site when requested	