



August 14, 2024

**Electronic Submittal**

New Mexico Environment Department  
Air Quality Bureau  
Compliance and Enforcement Section  
525 Camino de los Marquez, Suite 1  
Santa Fe, NM 87505-1816

**Re: Air Quality Permit 325-M11-R11 - Condition A109 - (H1 2024 Semi-Annual Report)**

Pursuant to Air Quality Permit 325-M11-R11, Condition A109, Intel is submitting the semi-annual report for the first half of 2024. In accordance with Condition A806, the report contains the following:

- 1) The monthly rolling 12-month total emissions of NO<sub>x</sub>, CO, SO<sub>2</sub>, TSP/PM<sub>10</sub>/PM<sub>2.5</sub>, VOC, and individual and total HAPs.
  - Individual HAPs shown in Table 106.C with limits less than 9.0 tons per year are reported if emitted in a quantity greater than 0.1 ton per year.
  - Individual HAPs not shown in Table 106.C have a 9.0 tons per year limit as shown in Table 106.B and are reported if emitted in a quantity greater than 0.5 ton per year.
- 2) A summary of the VOC and HAPs test results, if testing occurred during the reporting period.
- 3) Production level expressed as percentage of full capacity of each source Fab.

As required by the permit, Intel maintains detailed information used for emission calculations onsite. This information is available at the Department's request.

Please call Dennis Vaughn at (505) 794-0038 with any questions or for further discussion.

Sincerely,

Sarah Chavez  
NM Site EHS Manager  
EHS 044

# Intel Corporation, New Mexico Site Semi-Annual Report

## H1 2024

As required by Air Quality Permit 325-M11-R11, Condition A109, Intel has prepared this semi-annual emissions report. All calculations have been performed to demonstrate compliance with Facility Wide Allowable Emissions Limits outlined in Tables 106.B and 106.C.

### **12-Month Rolling Total Emissions**

Calculated Rolling Annual Emissions (Tons Per Year)	Feb'23 - Jan'24	Mar'23 - Feb'24	Apr'23 - Mar'24	May'23 - Apr'24	Jun'23 - May'24	Jul'23 - Jun'24
VOC	1.3	2.6	4.2	5.9	7.7	9.8
NO <sub>x</sub>	28.0	29.1	30.1	31.8	33.7	35.6
CO	36.2	38.7	40.5	42.7	45.3	48.4
SO <sub>2</sub>	0.03	0.02	0.02	0.02	0.02	0.02
TSP	5.9	5.8	5.8	5.9	5.9	5.9
PM <sub>10</sub>	5.0	4.9	4.9	5.0	5.0	5.0
PM <sub>2.5</sub>	1.8	1.8	1.8	1.8	1.8	1.8
Total HAPs:	2.7	3.1	3.4	3.8	4.3	4.9
HF	0.7	0.7	0.8	0.8	0.9	0.9
HCl	1.2	1.5	1.8	2.1	2.5	3.0

### **VOC and HAPs Test Results During Reporting Period**

Intel did not conduct testing during the H1 2024 reporting period. However, per Condition B111.D of Permit 325-M11-R11, Intel conducted stack testing on each operational solvent and scrubber exhaust stack during H2 2023. Per Condition B110.D, numbers are reported in lbs./hr. and an annualized TPY. The emission numbers are based on emission test results at the time of testing, which may not reflect actual emissions over the course of a year.

Pollutant	Emissions (lbs./hr.)	Emissions (TPY)
HCl	0.33	1.45
HF	0.08	0.36
Cl <sub>2</sub>	0.0015	0.0068
VOC	0.09	0.40

Note: VOC and HAPs test result TPY does not include fugitive, tank, combustion, and cooling tower VOC and HAP emissions. These emissions are included in the 12-month rolling Total emissions scaled by actual wafer starts.

### **Production Level**

F11X operated at approximately 89.3% of factory capacity during H1 2024.