



August 14, 2023

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-R10 - Condition A109 - (H1 2023 Semi-Annual Report)

Pursuant to Air Quality Permit 325-M11-R10, Condition A109, Intel is submitting the semi-annual report for the first half of 2023. In accordance with Condition A806, the report contains the following:

- 1) The monthly rolling 12 month total emissions of NO_x, CO, SO₂, TSP/PM₁₀/PM_{2.5}, 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 038

Intel Corporation, New Mexico Site Semi-Annual Report

H1 2023

As required by Air Quality Permit 325-M11-R12, 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'22 - Jan'23	Mar'22 - Feb'23	Apr'22 - Mar'23	May'22 - Apr'23	Jun'22 - May'23	Jul'22 - Jun'23
VOC	7.8	7.6	7.5	7.5	7.5	7.5
NO _x	22.2	22.3	22.8	23.2	23.5	23.6
CO	24.7	24.1	24.5	25.4	26.3	27.4
SO ₂	0.03	0.03	0.03	0.03	0.03	0.03
TSP	4.9	4.7	4.5	4.3	4.2	4.1
PM ₁₀	4.0	3.8	3.6	3.4	3.3	3.2
PM _{2.5}	0.7	0.5	0.3	0.2	0.1	0.01
Total HAPs:	1.8	1.6	1.5	1.4	1.3	1.3
HF	0.5	0.5	0.5	0.5	0.5	0.5
HCl	0.5	0.4	0.4	0.3	0.3	0.2

VOC and HAPs Test Results During Reporting Period

Intel did not conduct testing during the H1 2023 reporting period. However, per Condition B111.D of Permit 325-M11-R12, Intel conducted stack testing on each operational solvent and scrubber exhaust stack during H2 2022. Per Condition B110.D, numbers are reported in lbs./hr. and an annualized TPY and 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	0.007	0.031
HF	0.043	0.190
Cl ₂	≤1.53E-03	≤6.72E-03
VOC	0.097	0.425

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 82.9% of factory capacity during H1 2023.