



February 10, 2022

**Certified Mail No. 7020 1810 0000 5802 1032**  
**Return Receipt Requested**

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 - (H2 2022 Semi-Annual Report)**

Pursuant to Air Quality Permit 325-M11-R10, Condition A109, Intel is submitting the semi-annual report for the second half of 2022. 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.
  - o 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.
  - o 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 T. Chavez  
NM Site EHS Manager  
EHS 009

## Intel Corporation, New Mexico Site Semi-Annual Report H2 2022

As required by Air Quality Permit 325-M11-R10, 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**

<b>Calculated Rolling Annual Emissions (Tons Per Year)</b>	<b>Aug'21 - Jul'22</b>	<b>Sept'21 - Aug'22</b>	<b>Oct'21 - Sept'22</b>	<b>Nov'21 - Oct'22</b>	<b>Dec'21 - Nov'22</b>	<b>Jan'22 - Dec'22</b>
VOC	9.1	8.8	8.5	8.3	8.1	8.1
NO <sub>x</sub>	23.0	22.6	22.3	21.9	22.0	22.0
CO	29.0	27.5	26.5	25.7	25.4	25.5
SO <sub>2</sub>	0.03	0.03	0.03	0.04	0.04	0.04
TSP	5.4	5.2	4.8	4.7	4.5	4.3
PM <sub>10</sub>	4.4	4.2	3.9	3.7	3.5	3.4
PM <sub>2.5</sub>	0.8	0.7	0.4	0.3	0.2	0.01
Total HAPs:	2.0	1.9	1.9	1.8	1.8	1.7
HF	0.6	0.6	0.6	0.6	0.6	0.6
HCl	0.5	0.5	0.5	0.5	0.5	0.5

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

Intel did not conduct testing during the H1 2022 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 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.

<b>Pollutant</b>	<b>Emissions (lbs./hr.)</b>	<b>Emissions (TPY)</b>
HCl	0.007	0.031
HF	0.043	0.190
Cl <sub>2</sub>	0.002	0.006
VOC	0.097	0.43

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 83.4% of factory capacity during H2 2022.



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



Version 05.02.13

Phone (505) 476-4300 Fax (505) 476-4375

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## REPORTING SUBMITTAL FORM

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Admin	

PLEASE NOTE: ® - Indicates required field

<b>SECTION I - GENERAL COMPANY AND FACILITY INFORMATION</b>									
A. ® Company Name: INTEL CORPORATION					D. ® Facility Name: INTEL RIO RANCHO FACILITY				
B.1 ® Company Address: 4100 SARA ROAD					E.1 ® Facility Address: 4100 SARA ROAD M/S RR5-491				
B.2 ® City: RIO RANCHO		B.3 ® State: NM	B.4 ® Zip: 8 7 1 2 4		E.2 ® City: RIO RANCHO		E.3 ® State: NM	E.4 ® Zip: 87124	
C.1 ® Company Environmental Contact: Dennis Vaughn			C.2 ® Title: Environmental Engineer		F.1 ® Facility Contact: Sarah Chavez			F.2 ® Title: EHS Manager	
C.3 ® Phone Number: 505 794 0038			C.4 ® Fax Number:		F.3 ® Phone Number: 505.794.4917			F.4 ® Fax Number:	
C.5 ® Email Address: dennis.vaughn@intel.com					F.5 ® Email Address: sarah.t.chavez@intel.com				
G. Responsible Official: (Title V only):			H. Title:		I. Phone Number:			J. Fax Number:	
K. ® AI Number: 1103		L. Title V Permit Number:		M. Title V Permit Issue Date:		N. NSR Permit Number: 325-M-11-R11		O. NSR Permit Issue Date: 9/03/15	
P. Reporting Period: From: 7/1/22 To: 12/31/22									

<b>SECTION II - TYPE OF SUBMITTAL (check one that applies)</b>				
A. <input type="checkbox"/>	Title V Annual Compliance Certification	Permit Condition(s):	Description:	
B. <input type="checkbox"/>	Title V Semi-annual Monitoring Report	Permit Condition(s):	Description:	
C. <input type="checkbox"/>	NSPS Requirement (40CFR60)	Regulation:	Section(s):	Description:
D. <input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s):	Description:
E. <input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s):	Description:
F. <input checked="" type="checkbox"/>	Permit or Notice of Intent (NOI) Requirement	Permit No. <input checked="" type="checkbox"/> : or NOI No. <input type="checkbox"/> : 325-M11-R11	Condition(s):	Description: H2'22 Semi-Annual Emission Report
G. <input type="checkbox"/>	Requirement of an Enforcement Action	NOV No. <input type="checkbox"/> : or SFO No. <input type="checkbox"/> : or CD No. <input type="checkbox"/> : or Other <input type="checkbox"/> :	Section(s):	Description:

<b>SECTION IV - CERTIFICATION</b>			
After reasonable inquiry, I <u>Sarah Chavez</u> certify that the information in this submittal is true, accurate and complete. <small>(name of reporting official)</small>			
® Signature of Reporting Official: 		® Title: NM Site EHS Manager	® Date: 2/10/2023
		® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Reviewed By: \_\_\_\_\_

Date Reviewed: \_\_\_\_\_

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 Compliance & Enforcement Section  
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Domestic Return Receipt



Intel Corporation  
 1600 Rio Rancho Blvd. SE  
 Rio Rancho, NM 87124

NMED - Air Quality Bureau  
 Compliance & Enforcement Section  
 525 Camino de los Marquez, Suite 1  
 Santa Fe, NM  
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