



**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

NMED USE ONLY	
TEMPO	

REPORTING SUBMITTAL FORM

NMED USE ONLY	
Staff	
Admin	

PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION										
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: Alex Lowry			F.2 ® Title: EHS Manager	
C.2 ® Title: Environmental Engineer			F.1 ® Facility Contact: Frank Gallegos			C.3 ® Phone Number: 505.794.0077			F.4 ® Fax Number:	
C.4 ® Fax Number:			F.3 ® Phone Number: 505.328.4408			C.5 ® Email Address: alexander.lowry@intel.com			F.5 ® Email Address: frank.e.gallegos@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-M11-R10		O. NSR Permit Issue Date: 9/3/15		
P. Reporting Period: From: 1/1/21 To: 6/30/21										

SECTION II - TYPE OF SUBMITTAL (check one that applies)				
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-R10	Condition(s): A109	Description: H1'21 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:

SECTION IV - CERTIFICATION			
After reasonable inquiry, I <u>Frank Gallegos</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: 8/9/2021	® Responsible Official for Title V? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____

August 9, 2021

Certified Mail No. 7020 1810 0000 5802 1582
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 - (H1 2021 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 2021. 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 Alex Lowry at (505) 794-0077 with any questions or for further discussion.

Sincerely,



Frank Gallegos
NM Site EHS Manager

Intel Corporation, New Mexico Site Semi-Annual Report H1 2021

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

Calculated Rolling Annual Emissions (Tons Per Year)	Feb'20 - Jan'21	Mar'20 - Feb'21	Apr'20 - Mar'21	May'20 - Apr'21	Jun'20 - May'21	Jul'20 - Jun'21
VOC	9.8	9.8	9.9	9.9	9.8	10.1
NO _x	25.7	26.1	26.9	27.0	26.4	26.5
CO	37.7	38.9	40.7	41.1	41.5	42.3
SO ₂	0.033	0.034	0.034	0.034	0.034	0.034
TSP	6.1	6.2	6.2	6.4	6.5	6.6
PM ₁₀	5.1	5.2	5.2	5.4	5.4	5.6
PM _{2.5}	1.4	1.5	1.5	1.6	1.6	1.8
Total HAPs:	2.7	2.8	2.9	2.9	3.0	3.1
HF	1.0	1.0	1.0	1.0	1.0	1.0
HCl	0.9	0.9	1.0	1.1	1.1	1.2

VOC and HAPs Test Results During Reporting Period

Intel did not conduct testing during the H1 2021 reporting period. However, per Condition B111.D of Permit 325-M11-R10, Intel conducted stack testing on each operational solvent and scrubber exhaust stack during H2 2020. 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	0.215	0.94
HF	0.170	0.75
Cl ₂	0.00584	0.026
VOC	0.0914	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 89.2% of factory capacity during H1 2021.