



February 12, 2019

**Certified Mail No. 7015 1730 0000 0642 8206**

**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-R9 - Condition A109 - (H2 2018 Semi-Annual Report)**

Pursuant to Air Quality Permit 325-M11-R9, Condition A109, Intel is submitting the semi-annual report for the second half of 2018. 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/PM10/PM2.5, 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

Enclosure

# Intel Corporation, New Mexico Site Semi-Annual Report

## H2 2018

As required by Air Quality Permit 325-M11-R9, 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'17 - Jul'18</b>	<b>Sept'17 - Aug'18</b>	<b>Oct'17 - Sept'18</b>	<b>Nov'17 - Oct'18</b>	<b>Dec'17 - Nov'18</b>	<b>Jan'18 - Dec'18</b>
VOC	16.4	15.8	15.2	14.7	14.0	13.5
NO <sub>x</sub>	27.9	27.7	27.7	27.9	28.0	27.3
CO	35.4	35.3	35.4	35.5	35.6	35.5
SO <sub>2</sub>	0.04	0.04	0.04	0.04	0.04	0.04
TSP	8.0	7.6	7.6	7.5	7.4	7.3
PM <sub>10</sub>	7.3	7.1	7.1	7.0	6.9	6.8
PM <sub>2.5</sub>	3.9	3.8	3.8	3.8	3.8	3.7
Total HAPs:	1.9	1.9	2.0	1.9	2.0	2.1
HF	0.7	0.7	0.7	0.7	0.7	0.7

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

Per Condition B111.D of Permit 325-M11-R9, Intel conducted stack testing on each operational solvent and scrubber exhaust stack during H2 2018. Per Condition B110.D, numbers are reported in lbs./hr. and 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	0.192	0.84
HF	0.133	0.58
Cl <sub>2</sub>	0.0145	0.064
VOC	0.257	1.13

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 94.0% of factory capacity during H2 2018.