February 12, 2009

Certified Mail No. 7005 0710 0001 2887 9474
Return Receipt Requested

Richard Goodyear
Permitting
New Mexico Environment Department
Air Quality Bureau
1301 Siler Road, Building B
Santa Fe, NM 87507

Re: Air Permit No. 325-M9-R19 Technical Permit Revision

Dear Mr. Goodyear,

Condition 2.C.ii.f of the permit requires Intel to evaluate the emission factors used to calculate the Nitrogen Oxides (NOx) and Carbon Monoxide (CO) emissions from the 1250 BHP boilers annually, and update as necessary such that they are based on the most recent three years of operational data. In accordance with the condition, Intel has evaluated the testing and operational data and determined that the NOx and CO emission factors require updating for 2009. The current and proposed emission factors (lb/MMBtu) are as follows:

	Current Emission Factor	Proposed Emission Factor
NOx	0.04	0.04
CO	0.001	0.0002

Pursuant to Condition 1.G of the permit, Intel submits this technical permit revision to update those emission factors. Pursuant to 20.2.72.219.B.6 NMAC, Intel will provide notice by certified mail to all municipalities, Indian tribes, and counties within a ten-mile radius of the site and will be submitted for publication. Copies of all notices will be sent separately. Pursuant to 20.2.75.10.A NMAC, enclosed please find a check in the amount of $500.00 for the permit-filing fee.

Please note that Intel intends to submit an additional request to revise the permit to NMED by March 2nd that will include revisions to the Hazardous Air Pollutants emission factors, Volatile Organic Compounds emission factors and NOx and CO thermal oxidizer emission factors.

Please contact Sarah Chavez at (505)794-4917 if you have any questions or need additional information.

Sincerely,

Frank E. Gallegos
Site EHS Manager

Enclosures
(EHS010)

CERTIFICATION

I, Frank E. Gallegos, Intel Site EHS Manager, hereby certify that the information and data submitted in this application are true and as accurate as possible, to the best of my knowledge and professional expertise and experience.

Frank E. Gallegos

STATE OF NEW MEXICO)
)ss.
COUNTY OF SANDOVAL)

Subscribed and sworn before me on this 12 day of February, 2009 by Frank E. Gallegos.

[My commission expires: May 21, 2012]

(EHS010)

Intel Corporation
Boiler Emission Factors

Lever Position	2006		2007		2008		3 Yr Total	3Yr Average	Highest NOx EF per lever position	Highest CO EF per lever position
									lb/MMBtu	lb/MMBtu
LF	1142	0%	1300	0%	755	0%	3197	0%	0.0330	0.0002
2	4674	1%	5817	2%	3379	1%	13870	1%	0.0360	0.0000
3	66853	18%	56584	16%	27059	9%	150496	15%	0.0340	0.0000
4	98400	27%	96078	28%	71690	24%	266168	26%	0.0340	0.0000
5	108152	29%	93836	27%	100163	33%	302151	30%	0.0370	0.0003
6	66918	18%	72549	21%	68856	23%	208323	20%	0.0350	0.0002
7	19882	5%	17025	5%	27248	9%	64155	6%	0.0390	0.0006
8	3058	1%	2543	1%	5022	2%	10623	1%	0.0390	0.0008
9	104	0%	111	0%	121	0%	336	0%	0.0440	0.0007
10	20	0%	41	0%	39	0%	100	0%	0.0450	0.0009
									NOx Emission Factor (lb/MMBtu)	CO Emission Factor (lb/MMBtu)
								EFs in Permit for 2009	0.04	0.0002

II. SUMMARY

A. Test Results

The results of the complete profile tests for Boiler No. 8s.2.10 and single lever positions for No. 8s.2.15 are provided in *Table 4* and *Table 5*, respectively.

Table 4
Boiler No. 8s.2.10 (Boiler 6) – Detailed Results of Emission Profile Tests

Setting	NO_x ppm_{dry}	NO_x Lbs/MMBtu	NO_x Lbs/hr	CO ppm_{dry}	CO Lbs/MMBtu	CO Lbs/hr	O_2 $\%_{dry}$	FR MMBtu/hr
LF	25.4	0.030	0.23	0.2	0.0002	0.00	2.29	7.79
2	27.9	0.033	0.36	0.0	0.0000	0.00	2.57	10.87
3	28.3	0.034	0.49	0.0	0.0000	0.00	2.53	14.51
4	26.5	0.032	0.63	0.0	0.0000	0.00	2.95	19.64
5	28.1	0.035	0.81	0.0	0.0000	0.00	3.20	23.37
6	29.6	0.035	0.97	0.3	0.0002	0.01	2.58	27.58
7	33.2	0.039	1.21	0.8	0.0006	0.02	2.45	30.95
8	33.3	0.039	1.37	1.1	0.0008	0.03	2.56	34.82
9	36.5	0.044	1.70	0.9	0.0007	0.03	2.90	38.62
10	37.7	0.045	1.93	1.3	0.0009	0.04	2.84	42.52

Table 5
Boiler No. 8s.2.15 (Boiler 5) – Detailed Results of Emission Profile Tests

Setting	NO_x ppm_{dry}	NO_x Lbs/MMBtu	NO_x Lbs/hr	CO ppm_{dry}	CO Lbs/MMBtu	CO Lbs/hr	O_2 $\%_{dry}$	FR MMBtu/hr
5	29.7	0.037	0.74	0.0	0.0000	0.00	3.44	19.98

NO_x	=	oxides of nitrogen
CO	=	carbon monoxide
ppm_{dry}	=	parts per million (dry basis)
Lbs/MMBtu	=	pounds per million British Thermal Units
Lbs/hr	=	Pounds per hour of emissions
FR	=	Natural Gas Firing Rate (MMBtu/hr)