



July 12th, 2024

Matthew Goodreau
City of Chandler Wastewater Quality Division, Mail Stop 396
PO Box 4008
Chandler, AZ 85244-4008

SUBJECT: 1st Half 2024 Self-Monitoring Report – January – June 2024 Period
Intel Corporation - Ocotillo Campus (IUP #9)

Dear Mr. Goodreau:

Intel Corporation operates its Ocotillo Campus at 4500 S. Dobson Rd. in Chandler, AZ and holds Industrial User Permit (IUP) #9 issued by the City of Chandler for wastewater discharges. This letter provides certification of Intel Ocotillo's data, the final component of Intel's Significant Industrial User Self-Monitoring Report, as required by IUP #9 Condition III.A.3, for the first half of 2024.

The permit establishes seven Acid Waste Neutralization system (AWN) compliance points:

- IWD-1 is the Fab 12 AWN, formerly called RO-100
- IWD-2 is the Fab 12 Slurry Liquid Waste Neutralization system (SLW)
- IWD-6 is the Fab 32 AWN
- IWD-8 is the Fab 22 AWN
- IWD-10 is the Plated Acid Waste Neutralization system (PAWN)
- IWD-11 is the Fab 42 A AWN
- IWD-12 is the Fab 42 B AWN

The permit establishes three outfall compliance points:

- IWD-3 is the East Sewer Outfall (ESO)
- IWD-4 is the North Sewer Outfall (NSO)
- IWD-9 is the Main Sewer Outfall (MSO)

The following records have already been submitted (May 15, 2024) and thus are not attached to this report:

- Analytical Data:
 - Summary tables for the compliance sampling and analyses conducted during the period.
- Laboratory reports:
 - Outfall Local Limits (without TSS): Eurofins Job 550-216535-1 (4/18/2024)
 - Outfall Local Limits (TSS only): Eurofins Job 550-217601-1 (5/16/2024)
 - Federal TTO: Eurofins Job 550-216530-1 (4/15/2024)

The following records are attached in this report:

- pH records:
 - Summary graphs from the Facilities Monitoring System for IWD-9 (MSO)
- Flow records:
 - Summary tables from the Facilities Monitoring System for IWD-3, IWD-4, and IWD-9

Laboratory reports that have been submitted separately to the City of Chandler include the following:

- January TN & COD: Eurofins Job 550-212463-1 (1/10/2024)

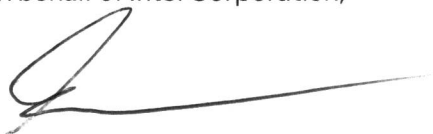
- February TN & COD: Eurofins Job 550-213802-1 (2/14/2024)
- March TN & COD: Eurofins Job 550-215067-1 (3/11/2024)
- April TN & COD: Eurofins Job 550-216448-1 (4/10/2024)
- May TN & COD: Eurofins Job 550-217945-1 (5/13/2024)
- June TN & COD: Eurofins Job 550-219160-1 (6/6/2024)

The attached data is indicative that Intel Corporation complied with its discharge limits.

Please call or email Kristin Mutolo at (480) 258-5270 or kristin.l.mutolo@intel.com if you have any questions. Please include mail stop OC4-005 on any postal correspondence.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

On behalf of Intel Corporation,



INTEL CORPORATION
Sean Aldrich
Corporate Services Ocotillo Site EHS Manager

H1 2024 Monthly SMR Results Summary

1/4/2024		January 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	29.0	240	0.17
IWD-4	NSO	3.2	28	0.006
IWD-9	MSO	4.3	20	6.56
Combined Outfalls Conc.		4.9	26	6.73
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

2/5/2024		February 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	13.0	97	0.16
IWD-4	NSO	8.0	34	0.005
IWD-9	MSO	4.7	59	6.12
Combined Outfalls Conc.		4.9	60	6.28
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

NOTE: MSO COD results were non-detect (ND) therefore the reporting limit was assumed.

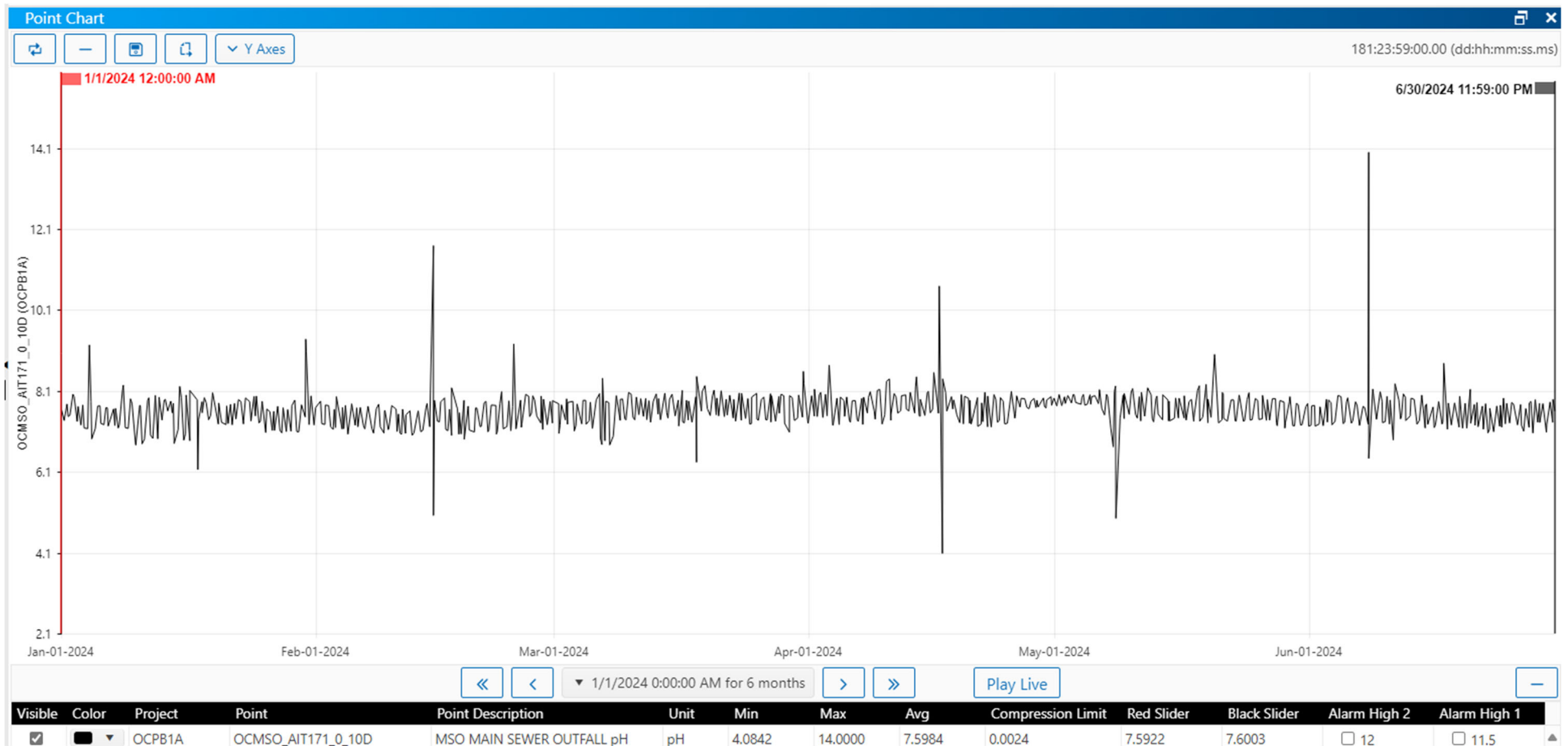
3/4/2024		March 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	4.6	86	0.16
IWD-4	NSO	4.5	33	0.005
IWD-9	MSO	4.1	43	6.00
Combined Outfalls Conc.		4.1	44	6.16
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

4/3/2024		April 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	32	270	0.09
IWD-4	NSO	3.1	28	0.005
IWD-9	MSO	3.4	52	5.02
Combined Outfalls Conc.		3.9	56	5.12
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

5/6/2024		May 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	13.0	130	0.21
IWD-4	NSO	6.5	58	0.009
IWD-9	MSO	4.2	44	7.23
Combined Outfalls Conc.		4.4	46	7.45
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

6/3/2024		June 2024 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	12.0	260	0.19
IWD-4	NSO	5.1	61	0.008
IWD-9	MSO	2.9	42	5.45
Combined Outfalls Conc.		3.2	49	5.65
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

H1 2024 pH Summary Graph IWD-9 (MSO) pH 1 vs Timestamp



*The above graph shows the MSO pH probe monitoring from 1/1/2024 to 6/30/2024. On the dates of 4/17/2024 and 5/8/2024, the above pH probe was calibrated. On 6/8/2024 there was a cable voltage issue that caused a spike in the pH reading and quickly resolved itself. A redundant, secondary pH probe showed the pH to be within permit limits during this instance of inaccurate readings on the primary probe; Intel has records for each of these events. The pH probes at the MSO cannot be placed into hold mode during calibrations, so the calibrations are shown in the graph above as the sharp dips and/or spikes. Intel has service records of each of these maintenance activities.

H1 2024 Flow Summary Tables – all flows in MGD

January 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
1/1/2024	0.0056	0.18	6.62	6.80
1/2/2024	0.0054	0.17	6.62	6.80
1/3/2024	0.0054	0.21	6.59	6.81
1/4/2024	0.0056	0.17	6.56	6.73
1/5/2024	0.0057	0.19	6.58	6.78
1/6/2024	0.0057	0.18	6.48	6.67
1/7/2024	0.0059	0.16	6.63	6.80
1/8/2024	0.0060	0.17	6.76	6.94
1/9/2024	0.0072	0.17	6.92	7.09
1/10/2024	0.0159	0.19	6.67	6.87
1/11/2024	0.0143	0.17	6.58	6.77
1/12/2024	0.0093	0.16	6.11	6.29
1/13/2024	0.0058	0.16	5.96	6.12
1/14/2024	0.0070	0.16	6.02	6.19
1/15/2024	0.0112	0.16	6.17	6.35
1/16/2024	0.0068	0.19	6.03	6.23
1/17/2024	0.0054	0.18	6.36	6.54
1/18/2024	0.0052	0.19	6.13	6.32
1/19/2024	0.0051	0.19	6.10	6.29
1/20/2024	0.0052	0.20	6.15	6.35
1/21/2024	0.0052	0.18	6.15	6.34
1/22/2024	0.0054	0.20	6.35	6.56
1/23/2024	0.0052	0.22	6.67	6.89
1/24/2024	0.0053	0.21	6.44	6.65
1/25/2024	0.0053	0.21	6.30	6.52
1/26/2024	0.0053	0.23	6.22	6.45
1/27/2024	0.0051	0.21	6.06	6.27
1/28/2024	0.0049	0.21	5.74	5.96
1/29/2024	0.0048	0.21	5.88	6.09
1/30/2024	0.0048	0.23	6.09	6.33
1/31/2024	0.0048	0.19	6.48	6.67
Maximum	0.016	0.23	6.92	7.09
Average	0.006	0.19	6.34	6.53

February 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
2/1/2024	0.0047	0.18	6.28	6.46
2/2/2024	0.0051	0.17	6.53	6.71
2/3/2024	0.0051	0.14	6.30	6.45
2/4/2024	0.0051	0.14	6.14	6.29
2/5/2024	0.0050	0.16	6.12	6.28
2/6/2024	0.0050	0.16	6.41	6.57
2/7/2024	0.0053	0.16	6.70	6.87
2/8/2024	0.0057	0.14	6.75	6.90
2/9/2024	0.0057	0.15	6.77	6.92
2/10/2024	0.0057	0.12	6.60	6.73
2/11/2024	0.0057	0.13	6.16	6.29
2/12/2024	0.0055	0.15	6.27	6.43
2/13/2024	0.0054	0.11	6.23	6.35
2/14/2024	0.0052	0.26	6.52	6.79
2/15/2024	0.0052	0.15	6.35	6.50
2/16/2024	0.0050	0.13	6.50	6.64
2/17/2024	0.0050	0.13	6.09	6.22
2/18/2024	0.0049	0.17	6.12	6.30
2/19/2024	0.0048	0.16	6.59	6.76
2/20/2024	0.0048	0.15	6.35	6.50
2/21/2024	0.0047	0.17	6.13	6.30
2/22/2024	0.0048	0.17	5.98	6.15
2/23/2024	0.0047	0.17	5.97	6.14
2/24/2024	0.0047	0.19	5.89	6.08
2/25/2024	0.0047	0.19	5.79	5.98
2/26/2024	0.0046	0.18	6.01	6.20
2/27/2024	0.0046	0.14	6.48	6.62
2/28/2024	0.0047	0.14	6.21	6.35
2/29/2024	0.0048	0.18	6.14	6.32
Maximum	0.006	0.26	6.77	6.92
Average	0.0050	0.16	6.29	6.45

March 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
3/1/2024	0.0047	0.22	6.08	6.30
3/2/2024	0.0047	0.15	5.89	6.04
3/3/2024	0.0047	0.16	5.84	6.00
3/4/2024	0.0047	0.16	6.00	6.16
3/5/2024	0.0047	0.16	5.84	6.00
3/6/2024	0.0047	0.19	6.01	6.20
3/7/2024	0.0050	0.13	4.94	5.07
3/8/2024	0.0049	0.11	4.69	4.81
3/9/2024	0.0048	0.11	4.44	4.56
3/10/2024	0.0047	0.09	4.08	4.18
3/11/2024	0.0046	0.09	4.60	4.69
3/12/2024	0.0046	0.22	4.47	4.70
3/13/2024	0.0046	0.10	4.47	4.58
3/14/2024	0.0046	0.10	4.31	4.41
3/15/2024	0.0051	0.10	4.65	4.75
3/16/2024	0.0053	0.22	4.45	4.68
3/17/2024	0.0048	0.09	4.39	4.48
3/18/2024	0.0048	0.10	4.45	4.56
3/19/2024	0.0047	0.10	4.43	4.53
3/20/2024	0.0047	0.15	4.15	4.30
3/21/2024	0.0046	0.08	4.26	4.34
3/22/2024	0.0046	0.07	4.37	4.44
3/23/2024	0.0045	0.09	4.01	4.10
3/24/2024	0.0049	0.10	4.32	4.42
3/25/2024	0.0049	0.11	4.01	4.12
3/26/2024	0.0048	0.24	4.21	4.45
3/27/2024	0.0048	0.45	4.25	4.70
3/28/2024	0.0046	0.09	4.48	4.58
3/29/2024	0.0046	0.09	3.70	3.79
3/30/2024	0.0045	0.09	4.04	4.13
3/31/2024	0.0049	0.09	4.40	4.50
Maximum	0.005	0.45	6.08	6.30
Average	0.005	0.14	4.65	4.79

April 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
4/1/2024	0.0050	0.10	4.34	4.44
4/2/2024	0.0048	0.11	4.90	5.01
4/3/2024	0.0047	0.09	5.02	5.12
4/4/2024	0.0047	0.47	5.05	5.53
4/5/2024	0.0046	0.14	5.49	5.64
4/6/2024	0.0049	0.14	5.24	5.39
4/7/2024	0.0048	0.14	5.24	5.38
4/8/2024	0.0046	0.16	5.33	5.49
4/9/2024	0.0047	0.15	5.16	5.32
4/10/2024	0.0045	0.17	3.25	3.42
4/11/2024	0.0049	0.17	5.07	5.25
4/12/2024	0.0049	0.18	5.71	5.90
4/13/2024	0.0045	0.15	4.96	5.12
4/14/2024	0.0044	0.14	4.14	4.28
4/15/2024	0.0044	0.17	5.00	5.17
4/16/2024	0.0045	0.18	4.17	4.36
4/17/2024	0.0049	0.13	4.48	4.62
4/18/2024	0.0050	0.13	5.07	5.21
4/19/2024	0.0055	0.13	6.08	6.22
4/20/2024	0.0058	0.15	5.89	6.05
4/21/2024	0.0062	0.19	5.73	5.92
4/22/2024	0.0065	0.18	5.62	5.81
4/23/2024	0.0063	0.19	5.76	5.95
4/24/2024	0.0053	0.16	6.11	6.28
4/25/2024	0.0044	0.17	6.91	7.09
4/26/2024	0.0154	0.17	7.72	7.91
4/27/2024	0.0215	0.16	7.59	7.78
4/28/2024	0.0183	0.17	7.50	7.68
4/29/2024	0.0144	0.19	7.31	7.52
4/30/2024	0.0137	0.19	7.06	7.27
Maximum	0.021	0.47	7.72	7.91
Average	0.007	0.17	5.56	5.74

May 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
5/1/2024	0.0120	0.19	7.54	7.74
5/2/2024	0.0104	0.19	7.42	7.62
5/3/2024	0.0129	0.19	7.18	7.37
5/4/2024	0.0126	0.18	7.45	7.64
5/5/2024	0.0130	0.13	7.83	7.97
5/6/2024	0.0088	0.21	7.23	7.45
5/7/2024	0.0047	0.13	7.39	7.53
5/8/2024	0.0052	0.19	4.91	5.11
5/9/2024	0.0048	0.16	5.84	6.00
5/10/2024	0.0055	0.26	6.36	6.62
5/11/2024	0.0056	0.18	6.01	6.20
5/12/2024	0.0060	0.16	5.68	5.85
5/13/2024	0.0068	0.17	6.14	6.32
5/14/2024	0.0073	0.19	5.97	6.17
5/15/2024	0.0073	0.19	5.49	5.70
5/16/2024	0.0066	0.20	6.25	6.45
5/17/2024	0.0070	0.18	5.94	6.13
5/18/2024	0.0076	0.18	5.63	5.82
5/19/2024	0.0077	0.16	5.74	5.91
5/20/2024	0.0056	0.18	6.31	6.49
5/21/2024	0.0063	0.19	4.86	5.05
5/22/2024	0.0066	0.18	5.92	6.10
5/23/2024	0.0068	0.17	5.88	6.06
5/24/2024	0.0069	0.17	5.61	5.79
5/25/2024	0.0066	0.15	5.78	5.94
5/26/2024	0.0066	0.16	5.55	5.72
5/27/2024	0.0071	0.16	5.39	5.56
5/28/2024	0.0079	0.19	5.78	5.98
5/29/2024	0.0081	0.20	6.13	6.34
5/30/2024	0.0081	0.18	5.30	5.49
5/31/2024	0.0081	0.21	5.52	5.74
Maximum	0.01	0.26	7.83	7.97
Average	0.01	0.18	6.13	6.32

June 2024 Flow Summary				
Day	NSO	ESO	MSO	Site Total
6/1/2024	0.0082	0.21	5.66	5.88
6/2/2024	0.0082	0.19	5.37	5.57
6/3/2024	0.0082	0.19	5.45	5.65
6/4/2024	0.0082	0.23	5.70	5.94
6/5/2024	0.0084	0.24	5.28	5.52
6/6/2024	0.0087	0.18	5.12	5.31
6/7/2024	0.0089	0.22	5.36	5.59
6/8/2024	0.0091	0.22	5.81	6.04
6/9/2024	0.0088	0.21	5.75	5.97
6/10/2024	0.0087	0.20	5.71	5.91
6/11/2024	0.0086	0.22	5.44	5.67
6/12/2024	0.0089	0.21	5.09	5.31
6/13/2024	0.0093	0.21	5.43	5.65
6/14/2024	0.0090	0.22	5.57	5.79
6/15/2024	0.0088	0.19	5.65	5.85
6/16/2024	0.0090	0.21	5.62	5.84
6/17/2024	0.0091	0.22	5.53	5.76
6/18/2024	0.0086	0.23	5.75	5.99
6/19/2024	0.0087	0.25	6.17	6.43
6/20/2024	0.0086	0.27	5.67	5.95
6/21/2024	0.0083	0.30	5.69	6.00
6/22/2024	0.0085	0.28	5.97	6.26
6/23/2024	0.0079	0.26	5.67	5.93
6/24/2024	0.0179	0.31	5.87	6.20
6/25/2024	0.0346	0.30	5.96	6.30
6/26/2024	0.0208	0.27	5.79	6.08
6/27/2024	0.0091	0.29	5.33	5.63
6/28/2024	0.0156	0.29	5.53	5.84
6/29/2024	0.0145	0.27	5.62	5.90
6/30/2024	0.0130	0.29	5.50	5.80
Maximum	0.035	0.31	6.17	6.43
Average	0.011	0.24	5.60	5.85