



July 12th, 2022

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

SUBJECT: 1st Half 2022 Self-Monitoring Report – January – June 2022 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 2022.

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 F42 AWN A
- IWD-12 is the F42 AWN B

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 approved and submitted, 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: T.A. Job 550-182702-1 (4/19/2022)
 - Federal TTO IWD 1, 2, 6, 8, T.A. Job 550-182701-1 (4/19/2022)
 - Federal TTO IWD 10, 11, 12 T.A. Job 550-182700-1 (4/19/2022)

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: TA 550-177127-1 (1/12/2022)

- February TN & COD: TA 550-178616-1 (2/7/2022)
- March TN & COD: TA 550-180294-1 (3/7/2022)
- April TN & COD: TA 550-181761-1 (4/4/2022)
- May TN & COD: TA 550-183352-1 (5/2/2022)
- June TN & COD: TA 550-185098-1 (6/6/2022)

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

Please call or email Klaudja Taragjini at (480) 859-8451 or klaudja.taragjini@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,

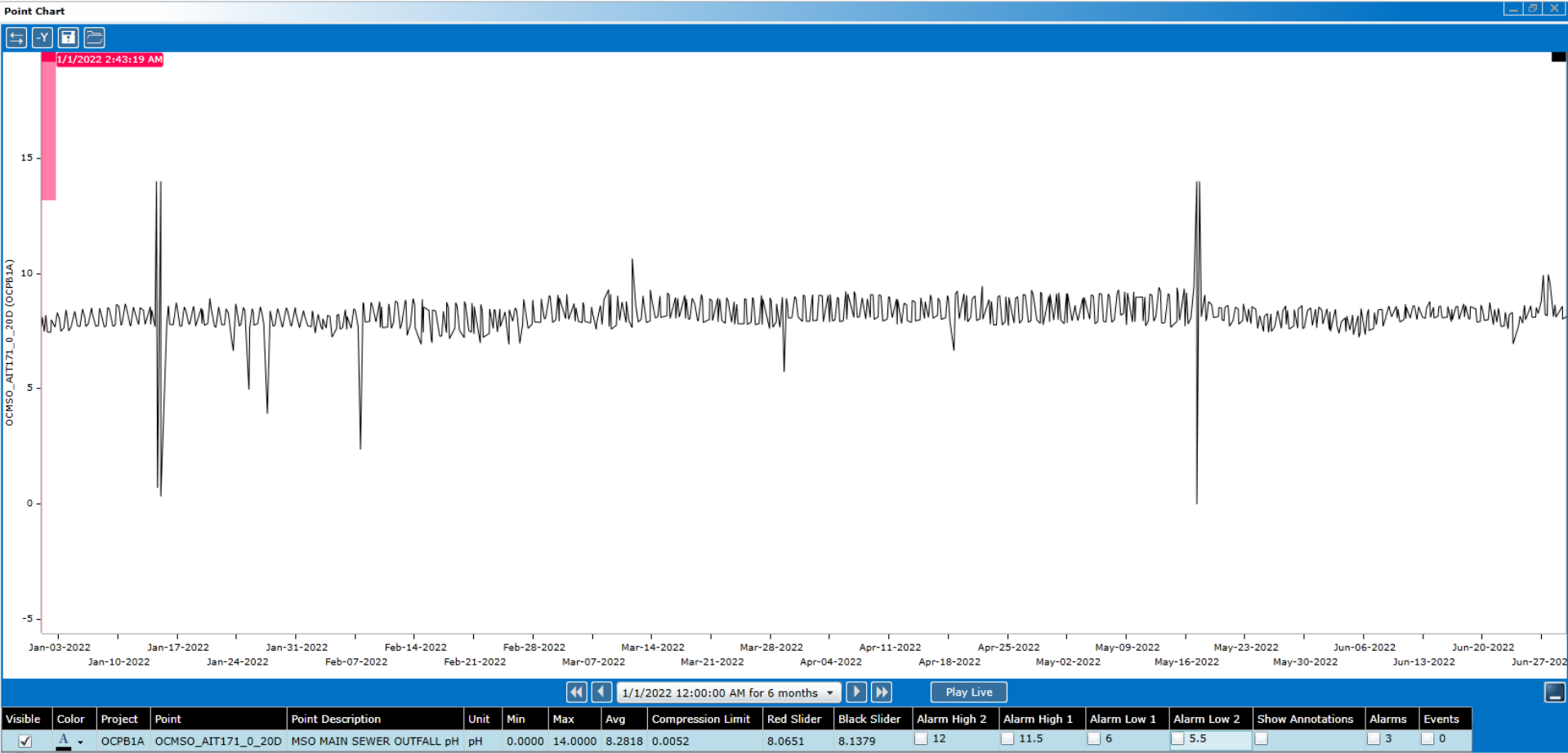
INTEL CORPORATION
Sean Aldrich
Corporate Services Ocotillo Site EHS Manager

Monthly SMR Results Summary

1/12/2022	January 2022 Monthly Self-Monitoring Report				2/7/2022	February 2022 Monthly Self-Monitoring Report			
Sample Location		Parameter (mg/L)		Flow (MGD)	Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD				TN	COD	
IWD-3	ESO	29	140	0.31	IWD-3	ESO	21	440	0.12
IWD-4	NSO	12	130	0.01	IWD-4	NSO	15	170	0.013
IWD-9	MSO	5.2	59	8.13	IWD-9	MSO	4.8	61	8.00
Combined Outfalls Conc.		6.1	62	8.45	Combined Outfalls Conc.		5.1	67	8.14
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>	<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>
3/7/2022	March 2022 Monthly Self-Monitoring Report				4/4/2022	April 2022 Monthly Self-Monitoring Report			
Sample Location		Parameter (mg/L)		Flow (MGD)	Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD				TN	COD	
IWD-3	ESO	18	290	0.32	IWD-3	ESO	19	350	0.36
IWD-4	NSO	10	100	0.02	IWD-4	NSO	10	120	0.014
IWD-9	MSO	3.9	69	8.32	IWD-9	MSO	4.7	66	7.49
Combined Outfalls Conc.		4.4	77	8.66	Combined Outfalls Conc.		5.4	79	7.86
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>	<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>
5/2/2022	May 2022 Monthly Self-Monitoring Report				6/6/2022	June 2022 Monthly Self-Monitoring Report			
Sample Location		Parameter (mg/L)		Flow (MGD)	Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD				TN	COD	
IWD-3	ESO	23	230	0.47	IWD-3	ESO	12	130	0.43
IWD-4	NSO	45	700	0.05	IWD-4	NSO	13	140	0.001
IWD-9	MSO	4.5	ND	7.63	IWD-9	MSO	4	33	6.92
Combined Outfalls Conc.		5.8	18	8.15	Combined Outfalls Conc.		4.6	39	7.35
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>	<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>

H1 2022 pH Summary Graph

IWD-9 (MSO) pH 1 vs Timestamp



*The above graph shows the MSO pH prove monitoring from 1/1/2022 to 6/30/2022. On the dates of 1/23, 2/7, 3/11, 4/18, 5/17, and 6/9, the above pH probe was calibrated. On 1/15 the pH sensor was replaced and recalibrated do to issues and inaccurate readings. 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 to 4.0 or lower and then back up. Intel has service records of each of these calibrations.

H1 2022 Flow Summary Tables

January 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
1/1/2022	0.02	0.33	7.82	8.17
1/2/2022	0.01	0.29	7.84	8.14
1/3/2022	0.01	0.31	8.06	8.39
1/4/2022	0.01	0.33	6.90	7.24
1/5/2022	0.01	0.34	8.03	8.39
1/6/2022	0.01	0.35	8.10	8.46
1/7/2022	0.01	0.34	7.92	8.28
1/8/2022	0.02	0.33	8.03	8.37
1/9/2022	0.01	0.29	7.76	8.06
1/10/2022	0.02	0.35	8.14	8.50
1/11/2022	0.02	0.35	8.33	8.70
1/12/2022	0.01	0.31	8.13	8.45
1/13/2022	0.02	0.32	8.47	8.81
1/14/2022	0.01	0.33	8.18	8.53
1/15/2022	0.02	0.31	8.13	8.45
1/16/2022	0.01	0.29	7.89	8.20
1/17/2022	0.01	0.29	8.06	8.37
1/18/2022	0.02	0.34	8.18	8.54
1/19/2022	0.02	0.34	8.12	8.47
1/20/2022	0.02	0.35	8.49	8.87
1/21/2022	0.02	0.31	8.08	8.40
1/22/2022	0.02	0.31	8.35	8.67
1/23/2022	0.02	0.33	7.91	8.25
1/24/2022	0.02	0.31	8.11	8.44
1/25/2022	0.02	0.33	7.47	7.83
1/26/2022	0.02	0.30	8.50	8.81
1/27/2022	0.02	0.32	8.44	8.77
1/28/2022	0.02	0.21	8.24	8.46
1/29/2022	0.02	0.13	7.82	7.97
1/30/2022	0.02	0.12	7.94	8.08
1/31/2022	0.02	0.14	7.88	8.03
Maximum	0.02	0.35	8.50	8.87
Average	0.02	0.30	8.04	8.36

February 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
2/1/2022	0.02	0.12	7.66	7.80
2/2/2022	0.02	0.11	7.73	7.86
2/3/2022	0.02	0.12	8.22	8.35
2/4/2022	0.01	0.11	8.17	8.29
2/5/2022	0.02	0.10	7.54	7.67
2/6/2022	0.02	0.09	7.88	7.98
2/7/2022	0.01	0.12	8.00	8.14
2/8/2022	0.01	0.24	8.30	8.56
2/9/2022	0.01	0.17	7.43	7.62
2/10/2022	0.01	0.15	7.78	7.94
2/11/2022	0.01	0.16	7.70	7.87
2/12/2022	0.01	0.14	8.05	8.20
2/13/2022	0.01	0.14	7.82	7.98
2/14/2022	0.01	0.13	7.97	8.12
2/15/2022	0.01	0.10	8.15	8.26
2/16/2022	0.01	0.06	8.13	8.20
2/17/2022	0.01	0.11	8.19	8.31
2/18/2022	0.01	0.16	8.04	8.21
2/19/2022	0.01	0.10	7.78	7.89
2/20/2022	0.01	0.12	8.04	8.17
2/21/2022	0.01	0.20	7.93	8.15
2/22/2022	0.01	0.38	7.91	8.31
2/23/2022	0.01	0.29	8.23	8.53
2/24/2022	0.01	0.28	8.38	8.68
2/25/2022	0.01	0.41	8.12	8.55
2/26/2022	0.01	0.34	7.61	7.96
2/27/2022	0.01	0.28	7.58	7.87
2/28/2022	0.02	0.31	7.66	7.98
Maximum	0.02	0.41	8.38	8.68
Average	0.01	0.18	7.93	8.12

March 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
3/1/2022	0.02	0.28	7.96	8.26
3/2/2022	0.02	0.30	7.31	7.63
3/3/2022	0.02	0.33	7.92	8.26
3/4/2022	0.02	0.35	8.18	8.54
3/5/2022	0.02	0.32	8.33	8.67
3/6/2022	0.01	0.29	8.34	8.64
3/7/2022	0.02	0.32	8.32	8.66
3/8/2022	0.01	0.50	6.73	7.24
3/9/2022	0.01	0.20	7.57	7.78
3/10/2022	0.02	0.22	7.52	7.75
3/11/2022	0.01	0.28	7.90	8.19
3/12/2022	0.01	0.29	7.87	8.17
3/13/2022	0.01	0.25	7.43	7.69
3/14/2022	0.01	0.32	7.58	7.91
3/15/2022	0.01	0.33	7.97	8.32
3/16/2022	0.03	0.33	7.33	7.69
3/17/2022	0.02	0.31	8.61	8.94
3/18/2022	0.02	0.29	8.47	8.78
3/19/2022	0.02	0.22	7.83	8.06
3/20/2022	0.02	0.28	7.80	8.09
3/21/2022	0.01	0.27	7.84	8.12
3/22/2022	0.01	0.29	8.03	8.33
3/23/2022	0.02	0.26	7.45	7.72
3/24/2022	0.01	0.28	7.35	7.64
3/25/2022	0.01	0.29	7.22	7.52
3/26/2022	0.01	0.29	7.34	7.64
3/27/2022	0.01	0.28	7.37	7.66
3/28/2022	0.01	0.30	7.57	7.88
3/29/2022	0.02	0.31	7.75	8.08
3/30/2022	0.01	0.31	7.99	8.32
3/31/2022	0.02	0.29	7.67	7.98
Maximum	0.03	0.50	8.61	8.94
Average	0.01	0.30	7.76	8.07

April 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
4/1/2022	0.01	0.31	7.53	7.86
4/2/2022	0.01	0.31	7.56	7.88
4/3/2022	0.02	0.32	7.41	7.74
4/4/2022	0.01	0.36	7.49	7.86
4/5/2022	0.02	0.36	7.62	8.00
4/6/2022	0.02	0.37	7.52	7.91
4/7/2022	0.02	0.38	7.39	7.79
4/8/2022	0.02	0.38	7.36	7.75
4/9/2022	0.02	0.38	7.57	7.97
4/10/2022	0.02	0.42	7.75	8.19
4/11/2022	0.02	0.41	7.64	8.07
4/12/2022	0.02	0.35	7.45	7.82
4/13/2022	0.22	0.19	7.24	7.65
4/14/2022	0.02	0.23	8.04	8.29
4/15/2022	0.02	0.25	8.46	8.72
4/16/2022	0.01	0.26	8.02	8.29
4/17/2022	0.01	0.25	7.73	7.99
4/18/2022	0.02	0.20	7.31	7.53
4/19/2022	0.02	0.24	7.29	7.55
4/20/2022	0.02	0.26	7.67	7.96
4/21/2022	0.02	0.25	8.35	8.62
4/22/2022	0.02	0.22	7.48	7.72
4/23/2022	0.02	0.21	7.81	8.04
4/24/2022	0.02	0.39	7.66	8.07
4/25/2022	0.02	0.40	7.32	7.74
4/26/2022	0.02	0.44	7.65	8.11
4/27/2022	0.02	0.46	7.31	7.79
4/28/2022	0.02	0.47	7.52	8.01
4/29/2022	0.02	0.42	7.30	7.74
4/30/2022	0.02	0.43	7.49	7.94
Maximum	0.22	0.47	8.46	8.72
Average	0.02	0.33	7.60	7.95

May 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
5/1/2022	0.02	0.47	7.26	7.75
5/2/2022	0.05	0.47	7.63	8.15
5/3/2022	0.06	0.47	8.76	9.30
5/4/2022	0.01	0.47	7.59	8.07
5/5/2022	0.01	0.43	7.33	7.77
5/6/2022	0.01	0.41	7.26	7.68
5/7/2022	0.01	0.39	7.72	8.12
5/8/2022	0.01	0.45	7.38	7.83
5/9/2022	0.01	0.43	7.39	7.84
5/10/2022	0.01	0.44	7.18	7.63
5/11/2022	0.01	0.39	7.39	7.79
5/12/2022	0.02	0.43	7.52	7.97
5/13/2022	0.02	0.45	7.55	8.02
5/14/2022	0.00	0.40	7.12	7.53
5/15/2022	0.00	0.42	7.07	7.49
5/16/2022	0.00	0.40	7.03	7.43
5/17/2022	0.00	0.40	7.22	7.62
5/18/2022	0.00	0.44	7.19	7.63
5/19/2022	0.00	0.45	7.09	7.54
5/20/2022	0.00	0.45	7.24	7.68
5/21/2022	0.00	0.42	7.13	7.55
5/22/2022	0.00	0.42	6.83	7.25
5/23/2022	0.00	0.44	7.13	7.58
5/24/2022	0.00	0.51	6.81	7.33
5/25/2022	0.00	0.52	6.91	7.43
5/26/2022	0.00	0.53	6.84	7.37
5/27/2022	0.00	0.53	6.86	7.40
5/28/2022	0.00	0.48	6.82	7.31
5/29/2022	0.00	0.48	7.01	7.50
5/30/2022	0.00	0.42	6.89	7.31
5/31/2022	0.00	0.44	6.84	7.28
Maximum	0.06	0.53	8.76	9.30
Average	0.01	0.45	7.24	7.69

June 2022 Flow Summary				
Day	NSO	ESO	MSO	Site Total
6/1/2022	0.001	0.44	7.63	8.07
6/2/2022	0.001	0.48	6.63	7.11
6/3/2022	0.001	0.48	7.01	7.49
6/4/2022	0.000	0.46	6.74	7.20
6/5/2022	0.001	0.42	6.85	7.28
6/6/2022	0.001	0.43	6.92	7.35
6/7/2022	0.001	0.46	7.07	7.53
6/8/2022	0.001	0.45	7.00	7.45
6/9/2022	0.001	0.49	6.86	7.35
6/10/2022	0.001	0.52	6.73	7.25
6/11/2022	0.001	0.51	6.90	7.41
6/12/2022	0.001	0.50	6.86	7.36
6/13/2022	0.001	0.47	6.70	7.18
6/14/2022	0.001	0.49	6.99	7.48
6/15/2022	0.000	0.45	7.03	7.48
6/16/2022	0.000	0.49	6.92	7.41
6/17/2022	0.001	0.50	6.67	7.17
6/18/2022	0.001	0.51	6.93	7.44
6/19/2022	0.001	0.44	6.83	7.27
6/20/2022	0.000	0.38	7.01	7.39
6/21/2022	0.001	0.44	6.80	7.24
6/22/2022	0.001	0.47	6.95	7.43
6/23/2022	0.001	0.46	6.90	7.36
6/24/2022	0.002	0.48	7.10	7.58
6/25/2022	0.004	0.47	7.04	7.52
6/26/2022	0.002	0.44	7.03	7.47
6/27/2022	0.002	0.49	7.07	7.57
6/28/2022	0.005	0.47	6.88	7.36
6/29/2022	0.003	0.48	6.77	7.25
6/30/2022	0.003	0.48	7.28	7.76
Maximum	0.005	0.52	7.63	8.07
Average	0.001	0.47	6.94	7.41