



July 1<sup>st</sup>, 2021

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

SUBJECT: 1<sup>st</sup> Half 2021 Self-Monitoring Report – January – June 2021 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 2021.

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 550-163584-1 (5/11/2021)
  - Outfall Local Limits: T.A. Job 550-163584-2 (5/11/2021)
  - Federal TTO IWD 1, 2, 6, 8, T.A. Job 550-163580-1 (5/11/2021)
  - Federal TTO IWD 10, 11, 12 T.A. Job 550-163590-1 (5/11/2021)

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 550-155632-1 (1/4/2021)
- February TN & COD: TA 550-157513-1 (2/1/2021)
- March TN & COD: TA 550-159283-1 (3/1/2021)
- April TN & COD: TA 550-161291-1 (4/6/2021)
- May TN & COD: TA 550-163260-1 (5/5/2021)
- June TN & COD: TA 550-164977-1 (6/7/2021)

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

Please call or email Michael Morrisson at (480) 232-3216 or michael.morrisson@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,

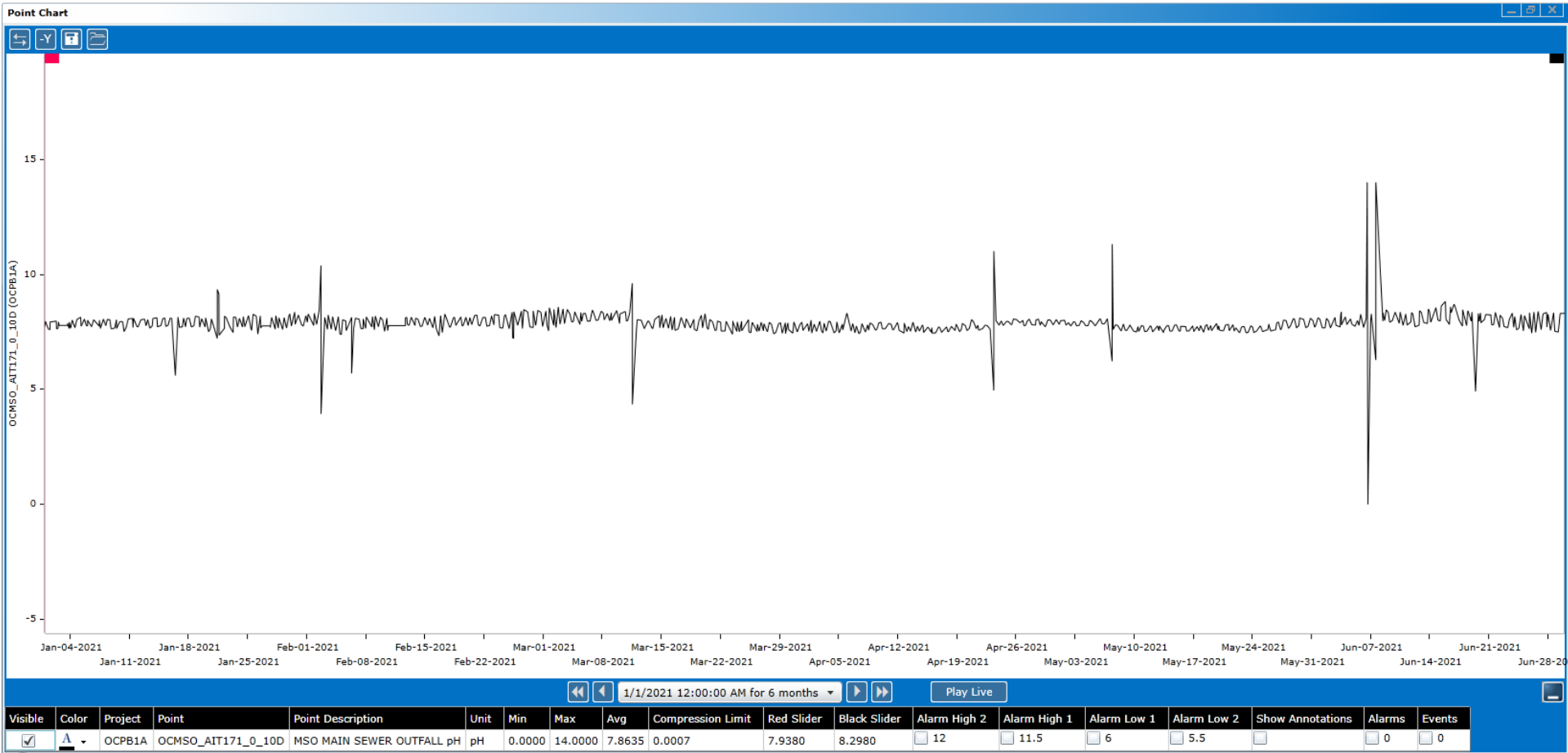


INTEL CORPORATION  
Sean Aldrich  
Corporate Services Ocotillo Site EHS Manager

## Monthly SMR Results Summary

1/4/2021	January 2021 Monthly Self-Monitoring Report				2/1/2021	February 2021 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	14	100	0.81	IWD-3	ESO	10	160	0.486
IWD-4	NSO	8	66	0.03	IWD-4	NSO	14	90	0.019
IWD-9	MSO	3	38	10.34	IWD-9	MSO	5	ND	10.247
<b>Combined Outfalls Conc.</b>		<b>4.1</b>	<b>43</b>	<b>11.18</b>	<b>Combined Outfalls Conc.</b>		<b>4.9</b>	<b>7</b>	<b>10.75</b>
<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>10.4</i>	<i>Daily Max. Discharge Limit</i>		<i>46.2</i>	<i>443</i>	<i>13.5</i>
3/1/2021	March 2021 Monthly Self-Monitoring Report				4/6/2021	April 2021 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	12	210	0.06	IWD-3	ESO	16	190	0.41
IWD-4	NSO	11	120	0.02	IWD-4	NSO	13	52	0.02
IWD-9	MSO	4	20	9.45	IWD-9	MSO	13	52	11.93
<b>Combined Outfalls Conc.</b>		<b>3.7</b>	<b>21</b>	<b>9.53</b>	<b>Combined Outfalls Conc.</b>		<b>13.1</b>	<b>57</b>	<b>12.36</b>
<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>
5/5/2021	May 2021 Monthly Self-Monitoring Report				6/7/2021	June 2021 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	12	150	0.69	IWD-3	ESO	9	55	0.52
IWD-4	NSO	10	92	0.02	IWD-4	NSO	10	190	0.02
IWD-9	MSO	16	31	12.03	IWD-9	MSO	4	56	11.37
<b>Combined Outfalls Conc.</b>		<b>15.8</b>	<b>37</b>	<b>12.74</b>	<b>Combined Outfalls Conc.</b>		<b>4.2</b>	<b>56</b>	<b>11.92</b>
<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 2020 pH Summary Graph IWD-9 (MSO) pH 1 vs Timestamp



\*The above graph shows the MSO pH prove monitoring from 1/1/2021 to 6/30/2021. On the dates of 2/2, 3/11, 4/23, 5/7, and 6/6, 6/7, and 6/19, the above pH probe was calibrated. 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 2021 Flow Summary Tables

January 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
1/1/2021	0.02	0.18	9.47	9.66
1/2/2021	0.01	0.19	10.15	10.35
1/3/2021	0.01	0.21	9.73	9.95
1/4/2021	0.03	0.81	10.34	11.18
1/5/2021	0.02	0.17	11.99	12.18
1/6/2021	0.02	0.17	10.57	10.76
1/7/2021	0.08	0.64	11.16	11.87
1/8/2021	0.04	0.79	11.26	12.09
1/9/2021	0.02	0.20	12.08	12.31
1/10/2021	0.02	0.18	12.02	12.22
1/11/2021	0.02	0.51	10.84	11.37
1/12/2021	0.02	0.19	9.92	10.13
1/13/2021	0.01	0.38	10.85	11.25
1/14/2021	0.02	0.19	10.00	10.20
1/15/2021	0.01	0.81	9.72	10.55
1/16/2021	0.03	0.20	9.43	9.66
1/17/2021	0.02	0.87	11.73	12.61
1/18/2021	0.03	0.20	10.78	11.01
1/19/2021	0.01	0.85	10.12	10.99
1/20/2021	0.03	0.21	11.70	11.93
1/21/2021	0.02	0.87	10.88	11.77
1/22/2021	0.02	0.22	10.16	10.40
1/23/2021	0.02	0.82	10.04	10.87
1/24/2021	0.02	0.21	10.88	11.12
1/25/2021	0.04	0.41	10.87	11.32
1/26/2021	0.02	0.26	10.43	10.71
1/27/2021	0.01	0.80	9.52	10.33
1/28/2021	0.02	0.39	9.04	9.46
1/29/2021	0.02	0.25	9.93	10.19
1/30/2021	0.01	0.36	9.81	10.17
1/31/2021	0.01	0.79	10.84	11.64
<b>Maximum</b>	<b>0.08</b>	<b>0.87</b>	<b>12.08</b>	<b>12.61</b>
<b>Average</b>	<b>0.02</b>	<b>0.43</b>	<b>10.52</b>	<b>10.98</b>

February 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
2/1/2021	0.02	0.49	10.25	10.75
2/2/2021	0.02	0.25	11.58	11.86
2/3/2021	0.04	0.23	11.78	12.05
2/4/2021	0.03	0.82	13.06	13.91
2/5/2021	0.01	0.15	10.79	10.95
2/6/2021	0.01	0.77	10.97	11.76
2/7/2021	0.02	0.21	11.93	12.16
2/8/2021	0.02	0.27	11.79	12.08
2/9/2021	0.02	0.23	12.44	12.69
2/10/2021	0.04	0.77	12.85	13.67
2/11/2021	0.02	0.79	12.08	12.90
2/12/2021	0.04	0.20	11.50	11.73
2/13/2021	0.04	0.73	13.05	13.82
2/14/2021	0.02	0.75	10.10	10.87
2/15/2021	0.03	0.74	11.77	12.54
2/16/2021	0.04	0.75	11.02	11.81
2/17/2021	0.02	0.75	10.89	11.66
2/18/2021	0.04	0.73	12.39	13.15
2/19/2021	0.05	0.22	12.26	12.52
2/20/2021	0.02	0.18	11.20	11.40
2/21/2021	0.02	0.17	12.23	12.42
2/22/2021	0.06	0.17	13.54	13.77
2/23/2021	0.03	0.06	11.63	11.72
2/24/2021	0.01	0.07	11.34	11.43
2/25/2021	0.01	0.09	10.06	10.16
2/26/2021	0.01	0.15	10.52	10.68
2/27/2021	0.04	0.09	13.04	13.17
2/28/2021	0.03	0.07	12.05	12.15
3/1/2021	0.02	0.06	9.45	9.53
<b>Maximum</b>	<b>0.06</b>	<b>0.82</b>	<b>13.54</b>	<b>13.91</b>
<b>Average</b>	<b>0.03</b>	<b>0.38</b>	<b>11.64</b>	<b>12.04</b>

March 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
3/1/2021	0.02	0.06	9.45	9.53
3/2/2021	0.01	0.54	12.50	13.05
3/3/2021	0.02	0.23	11.59	11.84

April 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
4/1/2021	0.02	0.43	11.88	12.34
4/2/2021	0.03	0.44	12.25	12.71
4/3/2021	0.03	0.45	11.96	12.43

3/4/2021	0.03	0.08	10.70	10.81
3/5/2021	0.01	0.09	12.07	12.17
3/6/2021	0.02	0.09	10.70	10.80
3/7/2021	0.02	0.09	12.32	12.44
3/8/2021	0.02	0.46	12.09	12.57
3/9/2021	0.01	0.67	10.57	11.24
3/10/2021	0.02	0.66	12.11	12.79
3/11/2021	0.01	0.11	10.79	10.91
3/12/2021	0.02	0.10	11.84	11.96
3/13/2021	0.02	0.09	10.73	10.84
3/14/2021	0.02	0.64	11.67	12.33
3/15/2021	0.01	0.63	11.65	12.30
3/16/2021	0.02	0.30	11.59	11.92
3/17/2021	0.02	0.05	11.97	12.04
3/18/2021	0.02	0.08	12.28	12.38
3/19/2021	0.02	0.06	11.67	11.75
3/20/2021	0.02	0.07	12.59	12.68
3/21/2021	0.02	0.13	11.99	12.14
3/22/2021	0.02	0.60	12.39	13.01
3/23/2021	0.04	0.63	10.84	11.51
3/24/2021	0.01	0.26	11.30	11.57
3/25/2021	0.01	0.12	11.93	12.06
3/26/2021	0.03	0.50	12.05	12.58
3/27/2021	0.03	0.32	13.29	13.65
3/28/2021	0.03	0.55	11.59	12.16
3/29/2021	0.02	0.59	12.35	12.96
3/30/2021	0.01	0.59	10.38	10.98
3/31/2021	0.02	0.10	12.63	12.76
<b>Maximum</b>	<b>0.04</b>	<b>0.67</b>	<b>13.29</b>	<b>13.65</b>
<b>Average</b>	<b>0.02</b>	<b>0.31</b>	<b>11.63</b>	<b>11.97</b>

4/4/2021	0.02	0.42	12.14	12.58
4/5/2021	0.02	0.44	12.02	12.48
4/6/2021	0.02	0.41	11.93	12.36
4/7/2021	0.02	0.38	11.72	12.12
4/8/2021	0.03	0.42	11.90	12.35
4/9/2021	0.02	0.38	12.40	12.81
4/10/2021	0.02	0.43	12.17	12.62
4/11/2021	0.02	0.42	12.16	12.61
4/12/2021	0.02	0.43	12.20	12.65
4/13/2021	0.02	0.44	11.94	12.40
4/14/2021	0.02	0.39	11.95	12.36
4/15/2021	0.02	0.43	12.02	12.47
4/16/2021	0.02	0.40	12.51	12.93
4/17/2021	0.02	0.41	12.38	12.81
4/18/2021	0.02	0.43	12.07	12.52
4/19/2021	0.02	0.45	11.87	12.35
4/20/2021	0.01	0.17	5.56	5.75
4/21/2021	0.02	0.49	12.62	13.13
4/22/2021	0.02	0.46	12.41	12.89
4/23/2021	0.02	0.50	12.48	13.01
4/24/2021	0.02	0.50	12.05	12.57
4/25/2021	0.02	0.49	12.32	12.84
4/26/2021	0.02	0.47	12.43	12.92
4/27/2021	0.02	0.47	11.98	12.46
4/28/2021	0.03	0.47	12.17	12.67
4/29/2021	0.03	0.55	12.38	12.97
4/30/2021	0.02	0.48	11.98	12.48
<b>Maximum</b>	<b>0.03</b>	<b>0.55</b>	<b>12.62</b>	<b>13.13</b>
<b>Average</b>	<b>0.02</b>	<b>0.44</b>	<b>11.93</b>	<b>12.39</b>

May 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
5/1/2021	0.03	0.58	12.39	13.00
5/2/2021	0.02	0.63	12.30	12.96
5/3/2021	0.02	0.56	12.28	12.86
5/4/2021	0.02	0.56	12.14	12.73
5/5/2021	0.02	0.69	12.03	12.74
5/6/2021	0.02	0.63	12.27	12.92
5/7/2021	0.02	0.56	11.73	12.30
5/8/2021	0.02	0.55	12.16	12.73
5/9/2021	0.02	0.55	12.41	12.98
5/10/2021	0.02	0.53	11.82	12.37

June 2021 Flow Summary				
Day	NSO	ESO	MSO	Site Total
6/1/2021	0.02	0.65	11.89	12.56
6/2/2021	0.02	0.65	12.04	12.71
6/3/2021	0.02	0.65	12.20	12.87
6/4/2021	0.02	0.64	12.40	13.06
6/5/2021	0.02	0.63	11.76	12.41
6/6/2021	0.02	0.62	12.07	12.71
6/7/2021	0.02	0.52	11.37	11.92
6/8/2021	0.02	0.50	11.68	12.20
6/9/2021	0.02	0.64	10.77	11.43
6/10/2021	0.02	0.64	11.50	12.16
6/11/2021	0.02	0.60	11.51	12.13

5/11/2021	0.02	0.51	11.59	12.11
5/12/2021	0.02	0.56	11.70	12.28
5/13/2021	0.02	0.57	12.08	12.66
5/14/2021	0.02	0.46	11.89	12.37
5/15/2021	0.02	0.64	11.73	12.39
5/16/2021	0.02	0.59	12.09	12.70
5/17/2021	0.02	0.56	12.07	12.65
5/18/2021	0.02	0.57	11.98	12.57
5/19/2021	0.02	0.65	11.80	12.47
5/20/2021	0.02	0.67	12.15	12.84
5/21/2021	0.01	0.56	11.18	11.76
5/22/2021	0.01	0.49	11.44	11.94
5/23/2021	0.01	0.50	11.19	11.70
5/24/2021	0.02	0.59	11.51	12.11
5/25/2021	0.01	0.58	11.54	12.13
5/26/2021	0.02	0.61	11.76	12.39
5/27/2021	0.02	0.59	11.78	12.38
5/28/2021	0.01	0.63	11.67	12.31
5/29/2021	0.02	0.63	11.64	12.29
5/30/2021	0.02	0.63	11.64	12.29
5/31/2021	0.02	0.64	11.92	12.57
<b>Maximum</b>	<b>0.03</b>	<b>0.69</b>	<b>12.41</b>	<b>13.00</b>
<b>Average</b>	<b>0.02</b>	<b>0.58</b>	<b>11.86</b>	<b>12.46</b>

6/12/2021	0.02	0.56	11.51	12.10
6/13/2021	0.02	0.63	11.42	12.07
6/14/2021	0.01	0.64	11.35	12.01
6/15/2021	0.01	0.66	10.31	10.98
6/16/2021	0.00	0.67	10.77	11.44
6/17/2021	0.00	0.65	11.00	11.65
6/18/2021	0.00	0.62	11.57	12.19
6/19/2021	0.00	0.60	11.22	11.83
6/20/2021	0.01	0.65	11.38	12.04
6/21/2021	0.01	0.67	11.18	11.86
6/22/2021	0.05	0.66	11.12	11.83
6/23/2021	0.08	0.71	12.52	13.31
6/24/2021	0.01	0.71	11.38	12.10
6/25/2021	0.01	0.66	10.80	11.47
6/26/2021	0.00	0.59	10.57	11.16
6/27/2021	0.01	0.57	10.59	11.17
6/28/2021	0.01	0.59	10.88	11.48
6/29/2021	0.01	0.58	10.92	11.50
6/30/2021	0.01	0.55	10.78	11.33
<b>Maximum</b>	<b>0.08</b>	<b>0.71</b>	<b>12.52</b>	<b>13.31</b>
<b>Average</b>	<b>0.02</b>	<b>0.62</b>	<b>11.35</b>	<b>11.99</b>





