



July 13, 2023

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

RECEIVED

JUL 14 2023

By Wastewater Quality

SUBJECT: 1<sup>st</sup> Half 2023 Self-Monitoring Report – January – June 2023 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 2023.

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 (April 21<sup>st</sup>, 2023) 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 (MSO, NSO): Eurofins Job 550-197192-1 (2/10/2023)
  - Outfall Local Limits (ESO): Eurofins Job 550-197194-1 (2/10/2023)
  - Federal TTO: Eurofins Job 550-198790-1 (3/17/2023)

The following records are attached in this report:

- pH records:
  - Summary graph 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 550-195795-1 (1/25/2023)

Intel Corporation  
4500 S. Dobson Rd.  
Chandler, AZ 85248  
1.480.554.8080  
www.intel.com

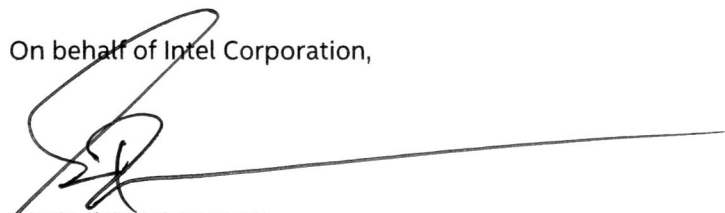
- February TN & COD: Eurofins Job 550-197324-1 (2/14/2023)
- March TN & COD: Eurofins Job 550-198709-1 (3/16/2023)
- April TN & COD: Eurofins Job 550-200206-1 (4/19/2023)
- May TN & COD: Eurofins Job 550-201545-1 (5/15/2023)
- June TN & COD: Eurofins Job 550-203053-1 (6/28/2023)

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](mailto: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,

A handwritten signature in black ink, appearing to be 'SA', is written over a long horizontal line that extends across the page.

INTEL CORPORATION

Sean Aldrich

Corporate Services Ocotillo Site EHS Manager

## H1 2023 Monthly SMR Results Summary

1/5/2023		January 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	21	380	0.16
IWD-4	NSO	6	71	0.0009
IWD-9	MSO	3	43	6.38
Combined Outfalls Conc.		3.0	51	6.55
Daily Max. Discharge Limit		46.2	443	13.5

2/6/2023		February 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	13	390	0.54
IWD-4	NSO	3.0	23	0.005
IWD-9	MSO	2.2	32	6.40
Combined Outfalls Conc.		3.0	60	6.94
Daily Max. Discharge Limit		46.2	443	13.5

3/6/2023		March 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	16	270	0.14
IWD-4	NSO	3	84	0.0001
IWD-9	MSO	3	20	6.79
Combined Outfalls Conc.		2.8	25	6.92
Daily Max. Discharge Limit		46.2	443	13.5

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

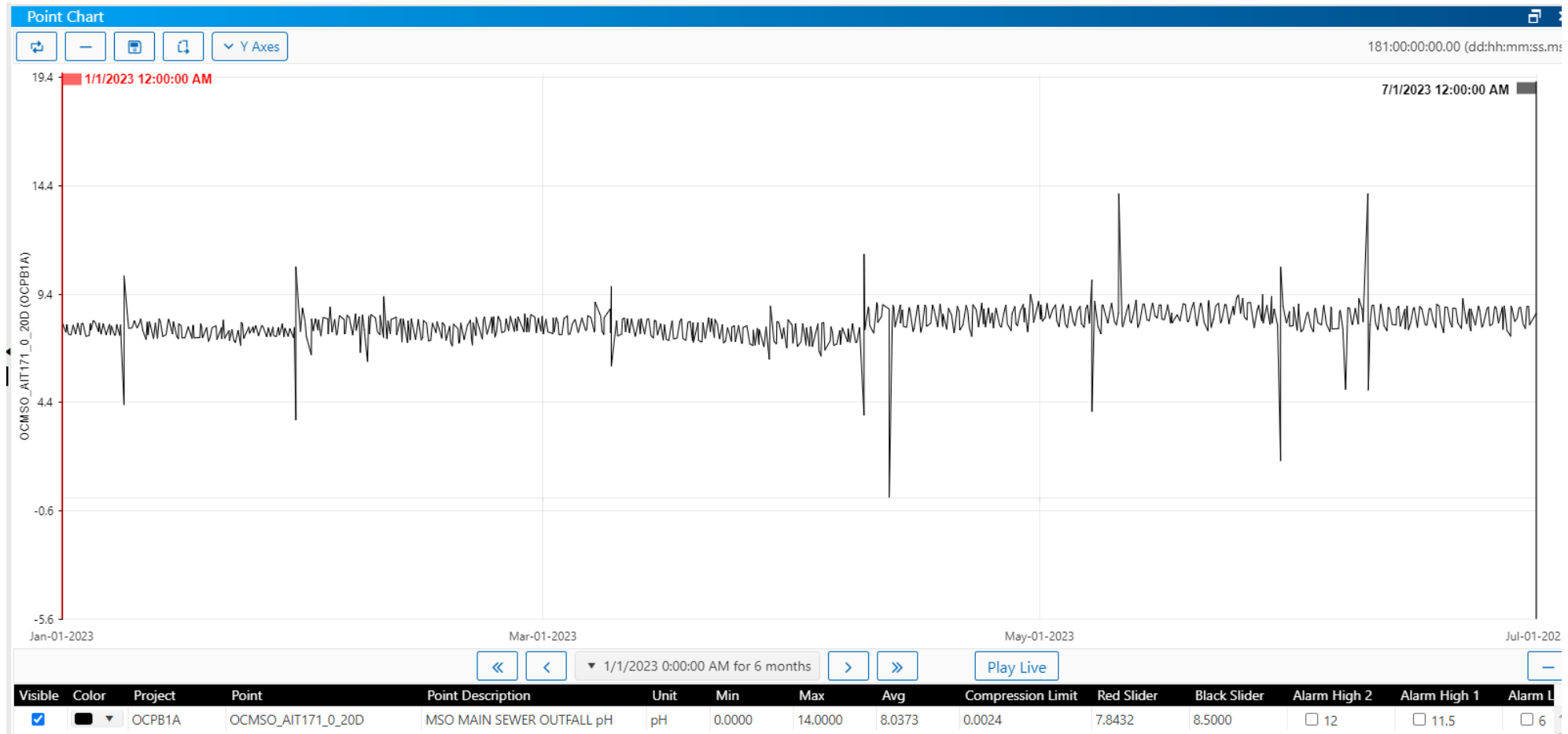
4/5/2023		April 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	59	770	0.10
IWD-4	NSO	10	48	0.005
IWD-9	MSO	4	37	5.91
Combined Outfalls Conc.		5.1	49	6.01
Daily Max. Discharge Limit		46.2	443	13.5

5/1/2023		May 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	17	250	0.24
IWD-4	NSO	4	20	0.009
IWD-9	MSO	4	32	5.24
Combined Outfalls Conc.		4.9	41	5.48
Daily Max. Discharge Limit		46.2	443	13.5

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

6/5/2023		June 2023 Monthly Self-Monitoring Report		
Sample Location		Parameter (mg/L)		Flow (MGD)
		TN	COD	
IWD-3	ESO	9.8	160	0.23
IWD-4	NSO	8.4	170	0.009
IWD-9	MSO	3.5	260	4.67
Combined Outfalls Conc.		3.8	255	4.91
Daily Max. Discharge Limit		46.2	443	13.5

## H1 2023 pH Summary Graph IWD-9 (MSO) pH 1 vs Timestamp



\*The above graph shows the MSO pH probe monitoring from 1/1/2023 to 6/30/2023. On the dates of 1/8, 1/29, 4/9, and 6/10, the above pH probe was calibrated. On 4/12, 4/13, 5/10, 5/30, and 6/7 the pH sensor was replaced and/or recalibrated due to issues and inaccurate readings. A redundant, secondary pH probe showed the pH to be within permit limits during instances 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 2023 Flow Summary Tables – all flows in MGD

January 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
1/1/2023	0.0018	0.14	6.42	6.56
1/2/2023	0.0020	0.27	6.10	6.38
1/3/2023	0.0011	0.27	6.09	6.36
1/4/2023	0.0009	0.25	5.74	6.00
1/5/2023	0.0009	0.16	6.38	6.55
1/6/2023	0.0018	0.16	7.13	7.30
1/7/2023	0.0009	0.14	6.33	6.47
1/8/2023	0.0013	0.15	5.86	6.01
1/9/2023	0.0013	0.17	6.42	6.59
1/10/2023	0.0010	0.17	5.94	6.12
1/11/2023	0.0020	0.17	7.47	7.64
1/12/2023	0.0013	0.15	7.00	7.15
1/13/2023	0.0011	0.34	6.20	6.55
1/14/2023	0.0011	0.59	5.15	5.74
1/15/2023	0.0025	0.15	7.15	7.30
1/16/2023	0.0018	0.15	7.24	7.39
1/17/2023	0.0018	0.18	6.04	6.22
1/18/2023	0.0009	0.20	2.95	3.16
1/19/2023	0.0007	0.13	7.85	7.97
1/20/2023	0.0007	0.13	5.56	5.68
1/21/2023	0.0003	0.12	5.92	6.04
1/22/2023	0.0007	0.12	6.66	6.78
1/23/2023	0.0010	0.12	7.74	7.86
1/24/2023	0.0061	0.16	5.79	5.96
1/25/2023	0.0061	0.17	7.44	7.61
1/26/2023	0.0061	0.15	6.26	6.42
1/27/2023	0.0056	0.15	5.97	6.13
1/28/2023	0.0061	0.41	5.23	5.64
1/29/2023	0.0056	0.14	6.29	6.44
1/30/2023	0.0051	0.15	4.78	4.93
1/31/2023	0.0056	0.15	7.10	7.26
<b>Maximum</b>	<b>0.006</b>	<b>0.59</b>	<b>7.85</b>	<b>7.97</b>
<b>Average</b>	<b>0.002</b>	<b>0.19</b>	<b>6.26</b>	<b>6.46</b>

February 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
2/1/2023	0.0051	0.14	5.87	6.02
2/2/2023	0.0051	0.13	6.33	6.47
2/3/2023	0.0051	0.14	5.43	5.57
2/4/2023	0.0051	0.13	4.35	4.48
2/5/2023	0.0051	0.72	5.08	5.80
2/6/2023	0.0047	0.54	6.40	6.94
2/7/2023	0.0051	0.15	6.56	6.71
2/8/2023	0.0051	0.13	7.18	7.32
2/9/2023	0.0051	0.13	6.65	6.78
2/10/2023	0.0047	0.12	5.46	5.59
2/11/2023	0.0051	0.13	6.25	6.38
2/12/2023	0.0051	0.13	5.47	5.61
2/13/2023	0.0047	0.76	5.25	6.01
2/14/2023	0.0056	0.75	6.31	7.06
2/15/2023	0.0051	0.19	5.99	6.18
2/16/2023	0.0061	0.14	6.89	7.03
2/17/2023	0.0056	0.13	7.70	7.84
2/18/2023	0.0051	0.13	6.00	6.13
2/19/2023	0.0047	0.13	6.40	6.54
2/20/2023	0.0051	0.63	5.96	6.60
2/21/2023	0.0047	0.15	6.16	6.32
2/22/2023	0.0051	0.16	7.34	7.50
2/23/2023	0.0056	0.12	6.61	6.74
2/24/2023	0.0056	0.14	6.14	6.28
2/25/2023	0.0051	0.13	5.00	5.14
2/26/2023	0.0047	0.13	3.36	3.49
2/27/2023	0.0056	0.13	6.10	6.23
2/28/2023	0.0051	0.30	6.21	6.52
<b>Maximum</b>	<b>0.006</b>	<b>0.76</b>	<b>7.70</b>	<b>7.84</b>
<b>Average</b>	<b>0.0052</b>	<b>0.24</b>	<b>6.01</b>	<b>6.26</b>

March 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
3/1/2023	0.0051	0.20	6.01	6.21
3/2/2023	0.0056	0.19	6.32	6.51
3/3/2023	0.0061	0.14	6.30	6.44
3/4/2023	0.0051	0.15	5.32	5.47
3/5/2023	0.0047	0.15	5.78	5.93
3/6/2023	0.0001	0.14	6.79	6.92
3/7/2023	0.0002	0.14	6.44	6.58
3/8/2023	0.0001	0.15	7.53	7.67
3/9/2023	0.0047	0.17	6.88	7.05
3/10/2023	0.0047	0.13	6.53	6.66
3/11/2023	0.0042	0.13	6.00	6.14
3/12/2023	0.0047	0.15	4.70	4.85
3/13/2023	0.0047	0.13	5.51	5.65
3/14/2023	0.0047	0.14	5.92	6.07
3/15/2023	0.0047	0.14	5.23	5.38
3/16/2023	0.0051	0.27	6.39	6.66
3/17/2023	0.0047	0.14	6.71	6.86
3/18/2023	0.0047	0.12	5.55	5.68
3/19/2023	0.0047	0.12	5.53	5.65
3/20/2023	0.0047	0.12	6.16	6.29
3/21/2023	0.0047	0.80	5.23	6.03
3/22/2023	0.0051	0.13	5.46	5.60
3/23/2023	0.0047	0.12	6.53	6.66
3/24/2023	0.0047	0.11	5.95	6.06
3/25/2023	0.0051	0.11	6.43	6.55
3/26/2023	0.0047	0.14	6.31	6.45
3/27/2023	0.0047	0.11	5.49	5.60
3/28/2023	0.0047	0.11	4.30	4.41
3/29/2023	0.0042	0.11	6.04	6.15
3/30/2023	0.0047	0.11	5.68	5.79
3/31/2023	0.0047	0.12	4.74	4.87
Maximum	0.006	0.80	7.53	7.67
Average	0.004	0.16	5.93	6.09

April 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
4/1/2023	0.0047	0.10	6.42	6.53
4/2/2023	0.0051	0.11	5.63	5.74
4/3/2023	0.0037	0.11	4.71	4.83
4/4/2023	0.0037	0.19	4.67	4.87
4/5/2023	0.0051	0.10	5.91	6.01
4/6/2023	0.0047	0.10	5.77	5.88
4/7/2023	0.0042	0.10	7.27	7.38
4/8/2023	0.0047	0.10	6.10	6.21
4/9/2023	0.0047	0.11	4.96	5.08
4/10/2023	0.0065	0.59	6.18	6.78
4/11/2023	0.0093	0.12	5.01	5.14
4/12/2023	0.0103	0.69	6.28	6.98
4/13/2023	0.0098	0.11	3.94	4.06
4/14/2023	0.0047	0.11	6.78	6.90
4/15/2023	0.0047	0.12	6.15	6.27
4/16/2023	0.0047	0.11	4.98	5.09
4/17/2023	0.0065	0.11	5.42	5.54
4/18/2023	0.0061	0.69	4.54	5.23
4/19/2023	0.0042	0.10	5.31	5.41
4/20/2023	0.0047	0.56	5.37	5.93
4/21/2023	0.0042	0.17	4.12	4.29
4/22/2023	0.0065	0.10	5.71	5.82
4/23/2023	0.0079	0.11	5.11	5.23
4/24/2023	0.0103	0.11	5.78	5.90
4/25/2023	0.0079	0.11	4.65	4.77
4/26/2023	0.0079	0.12	6.49	6.62
4/27/2023	0.0103	0.12	6.26	6.39
4/28/2023	0.0061	0.53	5.34	5.87
4/29/2023	0.0103	0.10	6.63	6.74
4/30/2023	0.0103	0.12	5.89	6.02
Maximum	0.010	0.69	7.27	7.38
Average	0.006	0.20	5.58	5.78

May 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
5/1/2023	0.0090	0.24	5.24	5.48
5/2/2023	0.0074	0.23	5.52	5.76
5/3/2023	0.0069	0.22	5.54	5.77
5/4/2023	0.0050	0.21	5.84	6.05
5/5/2023	0.0047	0.21	5.82	6.04
5/6/2023	0.0053	0.21	5.63	5.84
5/7/2023	0.0064	0.21	5.45	5.67
5/8/2023	0.0072	0.22	4.75	4.98
5/9/2023	0.0076	0.14	6.08	6.23
5/10/2023	0.0056	0.21	6.03	6.25
5/11/2023	0.0064	0.17	5.78	5.96
5/12/2023	0.0073	0.19	5.82	6.02
5/13/2023	0.0082	0.23	5.49	5.73
5/14/2023	0.0087	0.17	5.43	5.61
5/15/2023	0.0091	0.28	5.32	5.61
5/16/2023	0.0091	0.27	5.36	5.64
5/17/2023	0.0211	0.27	6.42	6.71
5/18/2023	0.0149	0.33	6.90	7.25
5/19/2023	0.0074	0.26	6.60	6.86
5/20/2023	0.0076	0.22	5.85	6.08
5/21/2023	0.0088	0.24	5.39	5.64
5/22/2023	0.0096	0.25	5.43	5.69
5/23/2023	0.0094	0.24	5.07	5.33
5/24/2023	0.0095	0.25	5.63	5.89
5/25/2023	0.0092	0.23	5.28	5.51
5/26/2023	0.0090	0.23	5.52	5.76
5/27/2023	0.0086	0.21	5.61	5.82
5/28/2023	0.0089	0.23	5.20	5.44
5/29/2023	0.0092	0.23	5.29	5.52
5/30/2023	0.0090	0.23	5.56	5.80
5/31/2023	0.0089	0.21	5.33	5.55
Maximum	0.02	0.33	6.90	7.25
Average	0.01	0.23	5.62	5.85

June 2023 Flow Summary				
Day	NSO	ESO	MSO	Site Total
6/1/2023	0.0074	0.21	5.08	5.30
6/2/2023	0.0084	0.23	5.67	5.90
6/3/2023	0.0088	0.24	5.35	5.60
6/4/2023	0.0092	0.23	5.36	5.60
6/5/2023	0.0095	0.23	4.67	4.91
6/6/2023	0.0096	0.22	5.04	5.27
6/7/2023	0.0086	0.21	5.48	5.70
6/8/2023	0.0087	0.21	5.51	5.73
6/9/2023	0.0086	0.20	5.73	5.95
6/10/2023	0.0088	0.23	5.41	5.65
6/11/2023	0.0093	0.19	5.23	5.43
6/12/2023	0.0077	0.23	5.51	5.75
6/13/2023	0.0083	0.20	5.24	5.44
6/14/2023	0.0088	0.22	5.00	5.23
6/15/2023	0.0092	0.22	5.37	5.60
6/16/2023	0.0093	0.23	5.81	6.05
6/17/2023	0.0092	0.22	5.79	6.01
6/18/2023	0.0092	0.21	5.34	5.56
6/19/2023	0.0092	0.22	5.11	5.33
6/20/2023	0.0092	0.25	5.15	5.40
6/21/2023	0.0091	0.24	4.92	5.17
6/22/2023	0.0092	0.23	4.89	5.13
6/23/2023	0.0093	0.20	5.35	5.56
6/24/2023	0.0090	0.19	5.53	5.73
6/25/2023	0.0090	0.22	5.03	5.26
6/26/2023	0.0087	0.22	4.78	5.01
6/27/2023	0.0087	0.23	4.84	5.08
6/28/2023	0.0087	0.24	5.31	5.55
6/29/2023	0.0088	0.24	5.08	5.32
6/30/2023	0.0087	0.21	5.13	5.35
Maximum	0.010	0.25	5.81	6.05
Average	0.009	0.22	5.26	5.49