

Richard Healey (adpce.ad)

Subject: FW: 9/29/2023 Weekly Update
Attachments: EDC Weekly Update 29 sept 23.docx; 2023 Waste Water Data.xlsx

From: Charles McDowell <CMcDowell@lsbindustries.com>
Sent: Friday, September 29, 2023 10:05 AM
To: Water-Enforcement-Report <Water-Enforcement-Report@adeq.state.ar.us>
Cc: Richard Healey (adpce.ad) <Richard.Healey@adeq.state.ar.us>; Keith Long <klong@lsbindustries.com>; Derek Turner <DTurner@lsbindustries.com>
Subject: RE: 9/29/2023 Weekly Update

Please find attached the weekly update, and updated 2023 water parameters for El Dorado Chemical Company.

If you have any questions or concerns, please do not hesitate to contact me.

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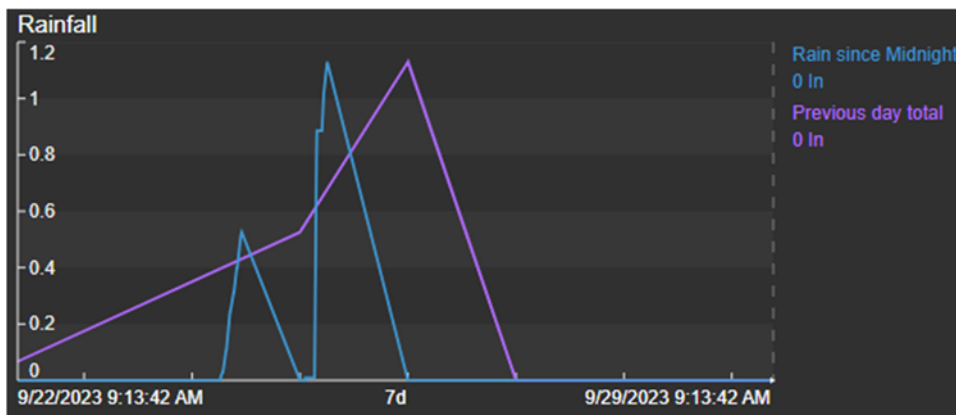
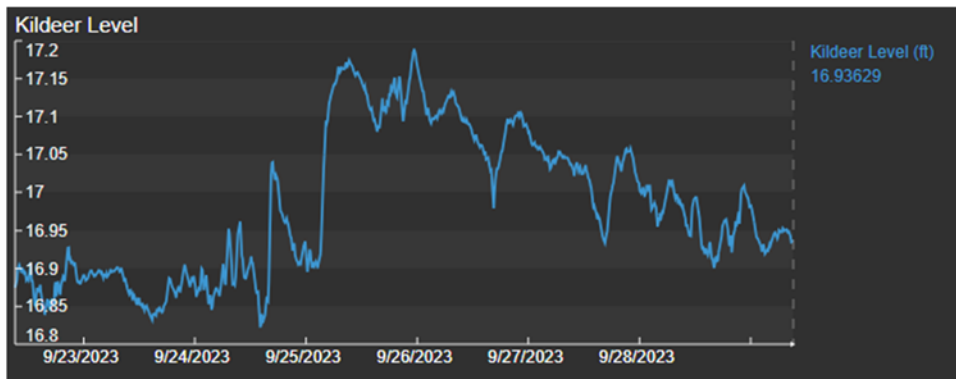
Weekly Report Required by Interim Measures Letter dated 8/4/2023

El Dorado Chemical Company, NPDES Permit Number: AR0000752, AFIN: 70-00040

Weekly Report Date: Sept 19, 2023 Updated portions are underlined.

Discharges and Implementation of Emergency Action Plan

EDC has not discharged any water through Outfall 001, Outfall 010, or the emergency spillway between when our interim measures plan was initiated on August 9th, 2023 and the 28th. Over the last week, the facility received 1.8 inches of rainfall. Killdeer levels are currently at 16.93 feet. EDC is attempting to keep the levels of Killdeer below 17.0 feet. On the 24th we increased our discharge rate to 2.0 MGD to prevent overflow into the Killdeer spillway. Once Lake Killdeer dropped below 17.0 feet on the 29th, EDC lowered the effluent discharge rate to approximately 1.0 MGD. In the event of additional rain, EDC will manage the discharge from Killdeer as necessary to ensure water does not overtop the emergency spillway in accordance with the August 4, 2023 Interim Measures letter.



Conduct Daily Sampling of Lake Lee, Lake Killdeer, and Pond 004

EDC commenced this required sampling on August 5, 2023. Updated Information is in the attached 2023 spreadsheet.

Provide Copies of Sampling of Lake Lee, Lake Killdeer, and Pond 004 Since January 1, 2023

Please see the EDC Interim Measures response dated August 9, 2023.

Corrective Action Plan Activities [updates from the previous week are underlined]

During our August 17th conference call we discussed that these proposed activities may trigger a communication to the ADEQ and possible permit changes. We will continue to communicate plans and improvements to obtain ADEQ's guidance on proper permitting.

Minimize Wastewater Contaminant Loading

Water Reuse:

EDC has evaluated its processes to assess locations where water can be reutilized in processes. Currently we are reusing as much wastewater as possible, that would otherwise flow into Pond 004, and are reusing some water from Pond 004 when the opportunity arises.

Minimize Wastewater Inflow

EDC has diverted approximately 15% of the water flowing into Pond 004. We are currently evaluating additional steps that can be taken. However, these steps will require engineering assessments to ensure that we do not create unforeseen second-order challenges. EDC has utilized frac tanks to increase the storage capacity of Ammonia Nitrate water to reduce the overflow into Pond 004 from rain events. During the previous rain event it did not appear that any process water overflowed into 004.

Maximize Treatment Efficiency and Capacity

Lake Lee Ammonia Stripper

EDC continues to operate the ammonia stripper with an approximate 20% efficiency.

Short Term Treatment of Pond 004

EDC has met with Clean Harbors to develop a short-term treatment system (approximately one year) to provide treatment pending implementation of a permanent solution. EDC has collected samples for Clean Harbors to develop a short-term biological treatment system. The biological treatment system proposed is not viable due to the volume of solid waste that would be generated (16,000 lbs per day). Clean Harbors proposed a secondary solution utilizing membrane filtration. This may be a viable alternative; however, it will create a further concentrated waste water stream that will have to be managed.

EDC has contracted GBMc to conduct a bathometric survey of Pond 004.

EDC met with Black & Veatch, a wastewater consulting firm, to determine the best treatment possibilities for Pond 004. Based on these initial conversations a biological system seems to be the best path forward. EDC has received the report and is assessing options provided by Black & Veatch.

Increased Efficiency in Lake Killdeer Biological Activity

Based upon discussion with supplier of nitrification/denitrification bacteria, EDC will begin dosing Lake Killdeer with calcium carbonate or magnesium carbonate to increase the available of carbon and alkalinity in Lake Killdeer. Increasing available carbon should promote additional biological activity to reduce the amount of ammonia in Lake Killdeer and the effluent discharge. EDC has also ordered one ton of lime and will begin dosing Lake Lee with the lime in efforts to increase alkalinity in Lake Lee which flows into Lake Killdeer.

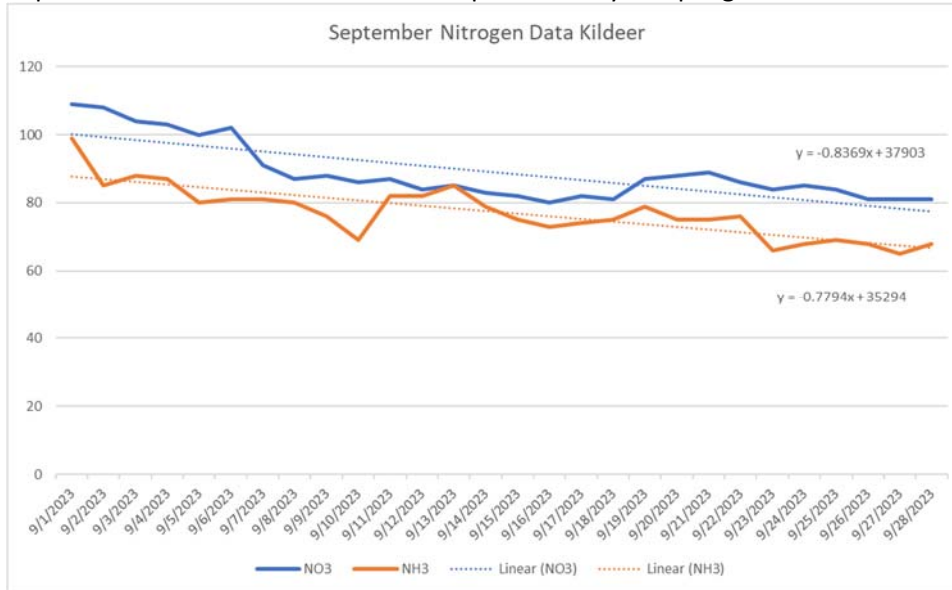
Baffles in Lake Killdeer

EDC selected a vendor to install baffles in Lake Killdeer. As discussed in our August 17th conference call, this should promote longer residence time and further increase biological activity to reduce the amount of ammonia in Lake Killdeer and the effluent discharge.

Water Quality Sampling Results

Water quality sampling required by the Interim Measures letter are included in the attached 2023 spreadsheet. For the ammonia data for 004, on the 6th through the 10th, the sample testing did not result in complete release of ammonia, resulting in lower levels of ammonia being reported.

September data trendline for ADEQ requested daily sampling at Lake Killdeer.



Water Column Profile Measurements

EDC has contracted with Alliance Technology Group (formerly GBMc) to complete the profile and sampling of Pond 004, Lake Lee, and Lake Killdeer. The field work was completed on the 28th, final results are pending.

Other Actions

In this call EDC was informed we need to obtain a wastewater operator's license as quickly as possible. Charles McDowell has completed the wastewater operator course work has successfully passed the testing for industrial wastewater operator on the 27th of this month. Additionally, we have had a second operator receive the industrial wastewater license. Second, ADEQ advised that EDC should coordinate with other Joint Pipeline members regarding discharges and volumes. We have initiated this communication.

EDC plans to continue all measures outlined in the interim measure response submitted to ADEQ. We request to shift from weekly reports to the reporting outlined in the Notice of Non-Compliance Corrective action plan. In that report we will update the information listed in this weekly report in addition to the data identified in the Notice of Non-Compliance Corrective Action Plan.

| 2023 | Lake Killdeer (KD) | | | | | | | | | Lake Lee | | | | | | | Pond 004 | | | | | | | | | | |
|------|--------------------|----------------|-----------------------|----------------|-----------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------|-----------------|------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|------------|----------|----------|----------|--------------|-------------------------|-------------------------|---------------------|----|--|
| | KD Grab Sample | KD Grab Sample | KD Composite EDCC LAB | KD Grab Sample | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | LEE Grab Sample | LEE Grab Sample | Lee Composite EDCC LAB | LEE Grab Sample | Lee Composite EDCC LAB | Lee Composite EDCC LAB | Lee Composite EDCC LAB | Lee Composite EDCC LAB | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | | |
| Date | Time of Grab | Temp °C | pH | DO, ppm | Conductivity | NH _{3-N} , ppm | NO _{3-N} , ppm | P, ppm | SO ₄ ppm | Time of Grab | Temp °C | pH | DO, ppm | NH _{3-N} , ppm | NO _{3-N} , ppm | Phosphorous, ppm | SO ₄ ppm | DATE/ TIME | Temp °C | DO, ppm | pH | Conductivity | NH _{3-N} , ppm | NO _{3-N} , ppm | SO ₄ ppm | | |
| 3/28 | | | | | | | | | | | | 7.13 | | 132 | 143 | | 178 | | | | | | | | | | |
| 3/29 | | | 7.12 | | 1620 | 130 | 134 | | 83 | | | 7.16 | | 140 | 141 | | 140 | | | | | | | | | | |
| 3/30 | | | | | | | | | | | | 7.18 | | 126 | 129 | | 123 | | | | | | | | | | |
| 3/31 | | | 6.98 | | 1622 | 119 | 136 | | 85 | | | 7.01 | | 87 | 103 | | 107 | | | | | | | | | | |
| 4/1 | | | | | | | | | | | | 7.30 | | 68 | 76 | | 93 | | | | | | | | | | |
| 4/2 | | | | | | | | | | | | 7.92 | | 53 | 70 | | 127 | | | | | | | | | | |
| 4/3 | | | 7.16 | | 1588 | 122 | 134 | 0.04 | 83 | | | 7.10 | | 67 | 77 | 1.01 | 115 | | | | | | | | | | |
| 4/4 | | | | | | | | | | | | 7.56 | | 141 | 134 | | 103 | | | 04/04/23 | | 8.33 | 70340 | 10060 | 9506 | 28 | |
| 4/5 | | | 7.04 | | 1867 | 164 | 167 | | 83 | | | 7.54 | | 139 | 148 | | 99 | | | | | | | | | | |
| 4/6 | | | | | | | | | | | | 6.95 | | 168 | 170 | | 122 | | | | | | | | | | |
| 4/7 | | | 6.87 | | 1806 | 159 | 166 | | 72 | | | 6.78 | | 272 | 294 | | 97 | | | | | | | | | | |
| 4/8 | | | | | | | | | | | | 6.94 | | 330 | 343 | | 112 | | | | | | | | | | |
| 4/9 | | | | | | | | | | | | 9.95 | | 164 | 248 | | 97 | | | | | | | | | | |
| 4/10 | | | 7.04 | | 2042 | 169 | 188 | 0.00 | 72 | | | 7.36 | | 175 | 190 | 0.24 | 99 | | | | | | | | | | |
| 4/11 | | | | | | | | | | | | 7.02 | | 136 | 141 | | 154 | | | | | | | | | | |
| 4/12 | | | 7.00 | | 1814 | 140 | 162 | | 74 | | | 6.58 | | 87 | 122 | | 149 | | | 04/12/23 | | 8.61 | 39320 | 4400 | 5032 | 20 | |
| 4/13 | | | | | | | | | | | | 6.47 | | 78 | 109 | | 138 | | | | | | | | | | |
| 4/14 | | | 6.90 | | 1675 | 132 | 146 | | 75 | | | 5.86 | | 63 | 81 | | 231 | | | | | | | | | | |
| 4/15 | | | | | | | | | | | | 6.24 | | 47 | 56 | | 182 | | | | | | | | | | |
| 4/16 | | | | | | | | | | | | 6.56 | | 30 | 44 | | 171 | | | | | | | | | | |
| 4/17 | | | 7.18 | | 1598 | 131 | 140 | 1.42 | 81 | | | 5.56 | | 72 | 82 | 1.28 | 205 | | | | | | | | | | |
| 4/18 | | | | | | | | | | | | 7.03 | | 64 | 61 | | 272 | | | 04/18/23 | | 7.68 | 57620 | 8240 | 3691 | 16 | |
| 4/19 | | | 6.75 | | 1615 | 131 | 141 | | 83 | | | 6.94 | | 35 | 36 | | 233 | | | | | | | | | | |
| 4/20 | | | | | | | | | | | | 6.89 | | 19 | 21 | | 198 | | | | | | | | | | |
| 4/21 | | | 6.82 | | 1580 | 124 | 137 | | 84 | | | 6.37 | | 18 | 20 | | 178 | | | | | | | | | | |
| 4/22 | | | | | | | | | | | | 5.21 | | 75 | 87 | | 202 | | | | | | | | | | |
| 4/23 | | | | | | | | | | | | 5.42 | | 181 | 199 | | 187 | | | | | | | | | | |
| 4/24 | | | 7.03 | | 1565 | 130 | 133 | 1.41 | 86 | | | 6.26 | | 210 | 212 | 2.70 | 179 | | | | | | | | | | |
| 4/25 | | | | | | | | | | | | 6.89 | | 175 | 177 | | 191 | | | | | | | | | | |
| 4/26 | | | 7.02 | | 1582 | 121 | 137 | | 88 | | | 6.95 | | 109 | 117 | | 219 | | | | | | | | | | |
| 4/27 | | | | | | | | | | | | 6.65 | | 93 | 95 | | 184 | | | | | | | | | | |
| 4/28 | | | 6.93 | | 1570 | 112 | 135 | | 89 | | | 5.71 | | 140 | 154 | | 162 | | | | | | | | | | |
| 4/29 | | | | | | | | | | | | 7.63 | | 142 | 180 | | 174 | | | | | | | | | | |
| 4/30 | | | | | | | | | | | | 6.82 | | 169 | 204 | | 176 | | | | | | | | | | |
| 5/1 | | | 6.87 | | 1611 | 112 | 139 | 1.46 | 92 | | | 5.50 | | 122 | 169 | 2.02 | 189 | | | | | | | | | | |
| 5/2 | | | | | | | | | | | | 7.18 | | 133 | 150 | | 246 | | | | | | | | | | |
| 5/3 | | | 6.82 | | 1633 | 122 | 140 | | 93 | | | 7.03 | | 95 | 108 | | 191 | | | | | | | | | | |
| 5/4 | | | | | | | | | | | | 6.73 | | 57 | 68 | | 168 | | | | | | | | | | |
| 5/5 | | | 6.85 | | 1628 | 120 | 138 | | 94 | | | 4.68 | | 44 | 51 | | 209 | | | | | | | | | | |
| 5/6 | | | | | | | | | | | | 6.94 | | 73 | 89 | | 210 | | | | | | | | | | |
| 5/7 | | | | | | | | | | | | 8.07 | | 95 | 108 | | 152 | | | | | | | | | | |
| 5/8 | | | 6.88 | | 1613 | 123 | 139 | 1.24 | 95 | | | 8.19 | | 81 | 97 | 1.50 | 122 | | | | | | | | | | |
| 5/9 | | | | | | | | | | | | 7.58 | | 163 | 157 | | 75 | | | | | | | | | | |
| 5/10 | | | 6.65 | | 1588 | 120 | 132 | | 92 | | | 7.55 | | 335 | 361 | | 82 | | | 05/10/23 | | 8.71 | 34840 | 5080 | 4463 | 26 | |
| 5/11 | | | | | | | | | | | | 7.60 | | 323 | 332 | | 139 | | | | | | | | | | |
| 5/12 | | | 6.81 | | 1841 | 138 | 161 | | 89 | | | 7.02 | | 208 | 243 | | 90 | | | | | | | | | | |
| 5/13 | | | | | | | | | | | | 7.19 | | 213 | 235 | | 171 | | | | | | | | | | |
| 5/14 | | | | | | | | | | | | 7.15 | | 164 | 187 | | 169 | | | | | | | | | | |
| 5/15 | | | 6.80 | | 1805 | 142 | 156 | 1.61 | 86 | | | 7.71 | | 138 | 156 | 2.96 | 192 | | | | | | | | | | |
| 5/16 | | | | | | | | | | | | 7.63 | | 103 | 119 | | 176 | | | | | | | | | | |
| 5/17 | | | 6.86 | | 1812 | 138 | 158 | | 86 | | | 7.36 | | 81 | 105 | | 171 | | | | | | | | | | |
| 5/18 | | | | | | | | | | | | 7.35 | | 81 | 95 | | 175 | | | | | | | | | | |
| 5/19 | | | 7.03 | | 1825 | 145 | 160 | | 85 | | | 7.21 | | 64 | 75 | | 176 | | | | | | | | | | |
| 5/20 | | | | | | | | | | | | 6.68 | | 52 | 65 | | 170 | | | | | | | | | | |
| 5/21 | | | | | | | | | | | | 6.27 | | 111 | 133 | | 171 | | | | | | | | | | |
| 5/22 | | | 6.97 | | 1786 | 143 | 155 | 1.79 | 86 | | | 6.51 | | 182 | 199 | 2.72 | 194 | | | | | | | | | | |
| 5/23 | | | | | | | | | | | | 6.78 | | 142 | 158 | | 221 | | | | | | | | | | |
| 5/24 | | | 7.10 | | 1758 | 117 | 153 | | 87 | | | 6.72 | | 75 | 103 | | 206 | | | | | | | | | | |
| 5/25 | | | | | | | | | | | | 6.55 | | 68 | 83 | | 405 | | | | | | | | | | |
| 5/26 | | | 6.73 | | 1760 | 135 | 149 | | 111 | | | 3.80 | | 63 | 65 | | 672 | | | | | | | | | | |
| 5/27 | | | | | | | | | | | | 3.32 | | 46 | 49 | | 511 | | | | | | | | | | |
| 5/28 | | | | | | | | | | | | 3.17 | | 30 | 48 | | 432 | | | | | | | | | | |
| 5/29 | | | 6.18 | | 1740 | 122 | 146 | 0.32 | 114 | | | 3.14 | | 20 | 53 | 1.12 | 332 | | | | | | | | | | |
| 5/30 | | | | | | | | | | | | 3.67 | | 16 | 32 | | 298 | | | | | | | | | | |
| 5/31 | | | 6.59 | | 1734 | 119 | 146 | | 121 | | | 4.88 | | 14 | 20 | | 283 | | | | | | | | | | |
| 6/1 | | | | | | | | | | | | 6.67 | | 11 | 13 | | 275 | | | | | | | | | | |
| 6/2 | | | 6.73 | | 1721 | 120 | 147 | | 126 | | | 7.24 | | 7 | 10 | | 234 | | | | | | | | | | |
| 6/3 | | | | | | | | | | | | 7.25 | | 4 | 9 | | 199 | | | | | | | | | | |
| 6/4 | | | | | | | | | | | | 7.36 | | 6 | 9 | | 227 | | | | | | | | | | |
| 6/5 | | | 6.68 | | 1680 | 122 | 137 | 1.64 | 135 | | | 7.38 | | 7 | 10 | 0.65 | 205 | | | | | | | | | | |
| 6/6 | | | | | | | | | | | | 7.25 | | 7 | 10 | | 192 | | | | | | | | | | |
| 6/7 | | | 6.06 | | 1674 | 116 | 135 | | 139 | | | 7.27 | | 8 | 10 | | 205 | | | 06/07/23 | | 7.42 | 79560 | 10600 | 10832 | 42 | |
| 6/8 | | | | | | | | | | | | 7.49 | | 6 | 18 | | 259 | | | | | | | | | | |
| 6/9 | | | 6.22 | | 1655 | 114 | 132 | | 141 | | | 7.60 | | 5 | 23 | | 202 | | | | | | | | | | |
| 6/10 | | | | | | | | | | | | 7.46 | | 3 | 15 | | 146 | | | | | | | | | | |
| 6/11 | | | | | | | | | | | | 6.35 | | 12 | 26 | | 190 | | | | | | | | | | |
| 6/12 | | | 6.44 | | 1624 | 116 | 126 | 1.31 | 142 | | | 6.70 | | 30 | 42 | 0.22 | 197 | | | | | | | | | | |
| 6/13 | | | | | | | | | | | | 6.53 | | 27 | 42 | | 140 | | | | | | | | | | |
| 6/14 | | | 6.55 | | 1590 | 111 | 125 | | | | | | | | | | | | | | | | | | | | |

| 2023 | Lake Killdeer (KD) | | | | | | | | | Lake Lee | | | | | | | Pond 004 | | | | | | | | | | | |
|------|--------------------|----------------|-----------------------|----------------|-----------------------|-------------------------|-------------------------|-----------------------|-----------------------|-----------------|-----------------|------------------------|-----------------|-------------------------|-------------------------|------------------------|------------------------|------------|----------|----------|----------|--------------|-------------------------|-------------------------|---------------------|----|--|--|
| | KD Grab Sample | KD Grab Sample | KD Composite EDCC LAB | KD Grab Sample | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | KD Composite EDCC LAB | LEE Grab Sample | LEE Grab Sample | Lee Composite EDCC LAB | LEE Grab Sample | Lee Composite EDCC LAB | Lee Composite EDCC LAB | Lee Composite EDCC LAB | Lee Composite EDCC LAB | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | 004 Grab | | | |
| Date | Time of Grab | Temp °C | pH | DO, ppm | Conductivity | NH _{3-N} , ppm | NO _{3-N} , ppm | P, ppm | SO ₄ ppm | Time of Grab | Temp °C | pH | DO, ppm | NH _{3-N} , ppm | NO _{3-N} , ppm | Phosphorous, ppm | SO ₄ ppm | DATE/ TIME | Temp °C | DO, ppm | pH | Conductivity | NH _{3-N} , ppm | NO _{3-N} , ppm | SO ₄ ppm | | | |
| 6/21 | | | 6.60 | | 1688 | 115 | 131 | | 138 | | | 7.31 | | 141 | 153 | | 201 | | | | | | | | | | | |
| 6/22 | | | | | | | | | | | | 6.86 | | 123 | 130 | | 322 | | | | | | | | | | | |
| 6/23 | | | 6.68 | | 1705 | 115 | 133 | | 141 | | | 7.17 | | 101 | 116 | | 287 | | | | | | | | | | | |
| 6/24 | | | | | | | | | | | | 6.84 | | 78 | 94 | | 200 | | | | | | | | | | | |
| 6/25 | | | | | | | | | | | | 7.14 | | 55 | 69 | | 199 | | | | | | | | | | | |
| 6/26 | | | 6.69 | | 1690 | 119 | 130 | 1.32 | 143 | | | 6.72 | | 49 | 54 | 1.27 | 184 | | | | | | | | | | | |
| 6/27 | | | | | | | | | | | | 7.02 | | 125 | 136 | | 180 | | | | | | | | | | | |
| 6/28 | | | 6.75 | | 1672 | 122 | 127 | | 142 | | | 7.61 | | 195 | 201 | | 143 | | | | | | | | | | | |
| 6/29 | | | | | | | | | | | | 7.82 | | 192 | 194 | | 146 | | | | | | | | | | | |
| 6/30 | | | 6.64 | | 1720 | 119 | 133 | | 141 | | | 7.97 | | 132 | 164 | | 167 | | | | | | | | | | | |
| 7/1 | | | | | | | | | | | | 7.59 | | 108 | 126 | | 167 | | | | | | | | | | | |
| 7/2 | | | | | | | | | | | | 7.23 | | 75 | 100 | | 167 | | | | | | | | | | | |
| 7/3 | | | 6.69 | | 1730 | 120 | 137 | 1.38 | 144 | | | 7.09 | | 72 | 86 | 2.21 | 149 | | | | | | | | | | | |
| 7/4 | | | | | | | | | | | | 7.06 | | 51 | 67 | | 158 | | | | | | | | | | | |
| 7/5 | | | 6.77 | | 1724 | 125 | 133 | | 142 | | | 6.82 | | 102 | 116 | | 152 | | | | | | | | | | | |
| 7/6 | | | | | | | | | | | | 6.96 | | 188 | 209 | | 172 | | | | | | | | | | | |
| 7/7 | | | 6.74 | | 1720 | 116 | 132 | | 140 | | | 7.62 | | 186 | 223 | | 161 | | | | | | | | | | | |
| 7/8 | | | | | | | | | | | | 7.66 | | 134 | 130 | | 186 | | | | | | | | | | | |
| 7/9 | | | | | | | | | | | | 8.21 | | 132 | 126 | | 195 | | | | | | | | | | | |
| 7/10 | | | 6.75 | | 1780 | 130 | 136 | 5.24 | 140 | | | 8.16 | | 209 | 231 | 3.83 | 155 | | | | | | | | | | | |
| 7/11 | | | | | | | | | | | | 7.88 | | 157 | 196 | | 125 | | | | | | | | | | | |
| 7/12 | | | 6.64 | | 1782 | 102 | 113 | | 139 | | | 5.74 | | 52 | 66 | | 73 | | | | | | | | | | | |
| 7/13 | | | | | | | | | | | | 8.49 | | 136 | 215 | | 75 | | | | | | | | | | | |
| 7/14 | | | 7.50 | | 2240 | 179 | 69 | | 34 | | | 8.22 | | 281 | 119 | | 36 | 07/14/23 | | | 9.02 | 24910 | 4320 | 2989 | | 2 | | |
| 7/15 | | | | | | | | | | | | 8.29 | | 278 | 323 | | 109 | | | | | | | | | | | |
| 7/16 | | | | | | | | | | | | 8.50 | | 231 | 270 | | 110 | | | | | | | | | | | |
| 7/17 | | | 6.98 | | 1890 | 151 | 153 | 6.08 | 112 | | | 8.35 | | 222 | 229 | 4.11 | 124 | | | | | | | | | | | |
| 7/18 | | | | | | | | | | | | 8.03 | | 167 | 189 | | 122 | | | | | | | | | | | |
| 7/19 | | | 6.95 | | 1820 | 143 | 143 | | 104 | | | 7.92 | | 133 | 143 | | 110 | | | | | | | | | | | |
| 7/20 | | | | | | | | | | | | 8.17 | | 128 | 137 | | 170 | | | | | | | | | | | |
| 7/21 | | | 6.91 | | 1804 | 140 | 141 | | 108 | | | 8.05 | | 120 | 129 | | 123 | | | | | | | | | | | |
| 7/22 | | | | | | | | | | | | 7.49 | | 95 | 93 | | 113 | | | | | | | | | | | |
| 7/23 | | | | | | | | | | | | 6.86 | | 86 | 82 | | 121 | | | | | | | | | | | |
| 7/24 | | | 6.90 | | 1763 | 125 | 136 | 2.03 | 110 | | | 7.69 | | 86 | 90 | 2.89 | 133 | | | | | | | | | | | |
| 7/25 | | | | | | | | | | | | 7.38 | | 72 | 79 | | 146 | | | | | | | | | | | |
| 7/26 | | | 6.85 | | 1764 | 126 | 134 | | 110 | | | 7.22 | | 58 | 72 | | 125 | | | | | | | | | | | |
| 7/27 | | | | | | | | | | | | 7.43 | | 53 | 57 | | 101 | | | | | | | | | | | |
| 7/28 | | | 6.84 | | 1753 | 120 | 132 | | 110 | | | 8.14 | | 36 | 42 | | 121 | | | | | | | | | | | |
| 7/29 | | | | | | | | | | | | 8.27 | | 16 | 30 | | 107 | | | | | | | | | | | |
| 7/30 | | | | | | | | | | | | 6.99 | | 10 | 24 | | 121 | | | | | | | | | | | |
| 7/31 | | | 6.83 | | 1745 | 128 | 129 | 1.96 | 110 | | | 7.19 | | 13 | 20 | 1.34 | 119 | | | | | | | | | | | |
| 8/1 | | | | | | | | | | | | 6.92 | | 64 | 75 | | 126 | | | | | | | | | | | |
| 8/2 | | | 6.77 | | 1726 | 114 | 128 | | 111 | | | 7.09 | | 38 | 51 | | 122 | | | | | | | | | | | |
| 8/3 | | | | | | | | | | | | 8.10 | | 16 | 32 | | 113 | | | | | | | | | | | |
| 8/4 | | | 6.79 | | 1710 | 119 | 126 | | 111 | | | 7.44 | | 9 | 22 | | 143 | | | | | | | | | | | |
| 8/5 | 8:53AM | 28 | 6.79 | 7.65 | 1703 | 114 | 125 | | | 6:00AM | 26 | 6.60 | 6.03 | 6 | 17 | 1.22 | 147 | 11:20am | 34 | 10.63 | 7.14 | 48920 | 5280 | 6293 | | 25 | | |
| 8/6 | 9:57AM | 29 | 6.77 | 8.27 | 1676 | 105 | 123 | | | 6:00AM | 25 | 6.45 | 6.12 | 6 | 15 | | 125 | 9:50AM | 28 | 5.61 | 7.07 | 49230 | 6200 | 6191 | | 34 | | |
| 8/7 | 8:25AM | 26 | 6.80 | 6.45 | 1683 | 115 | 124 | 1.75 | 113 | 7:00AM | 27 | 6.48 | 7.69 | 7 | 14 | | 115 | 10:09AM | 27 | 6.02 | 6.95 | 49870 | 6200 | 6657 | | 20 | | |
| 8/8 | 8:45AM | 26 | 6.84 | 6.13 | 1678 | 114 | 124 | | | 7:00AM | 26 | 6.81 | 6.08 | 10 | 18 | | 111 | 8:40AM | 30 | 6.5 | 6.84 | 49750 | 6240 | 6216 | | 33 | | |
| 8/9 | 8:13AM | 27 | 7.11 | 7.34 | 1584 | 114 | 120 | | | 7:00AM | 24 | 7.26 | 7.86 | 102 | 102 | | 80 | 8:53AM | 25 | 5.62 | 6.81 | 34560 | 4260 | 4281 | | 22 | | |
| | | | | | | | | | | | | | | | | | | 8:39AM | 25 | 6.63 | 6.63 | 29930 | 3660 | 3553 | | 18 | | |