

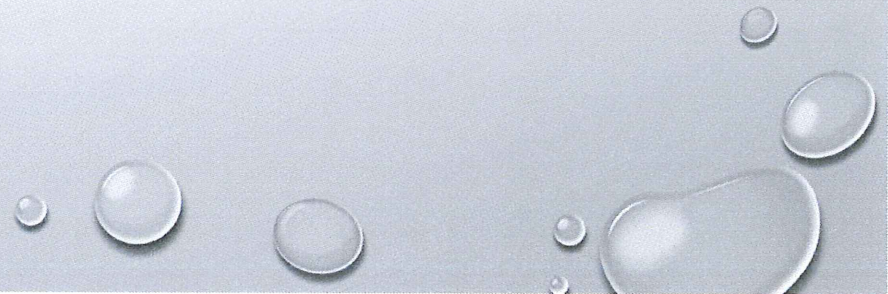


CONSENT ORDER UPDATE

FEBRUARY 12, 2016

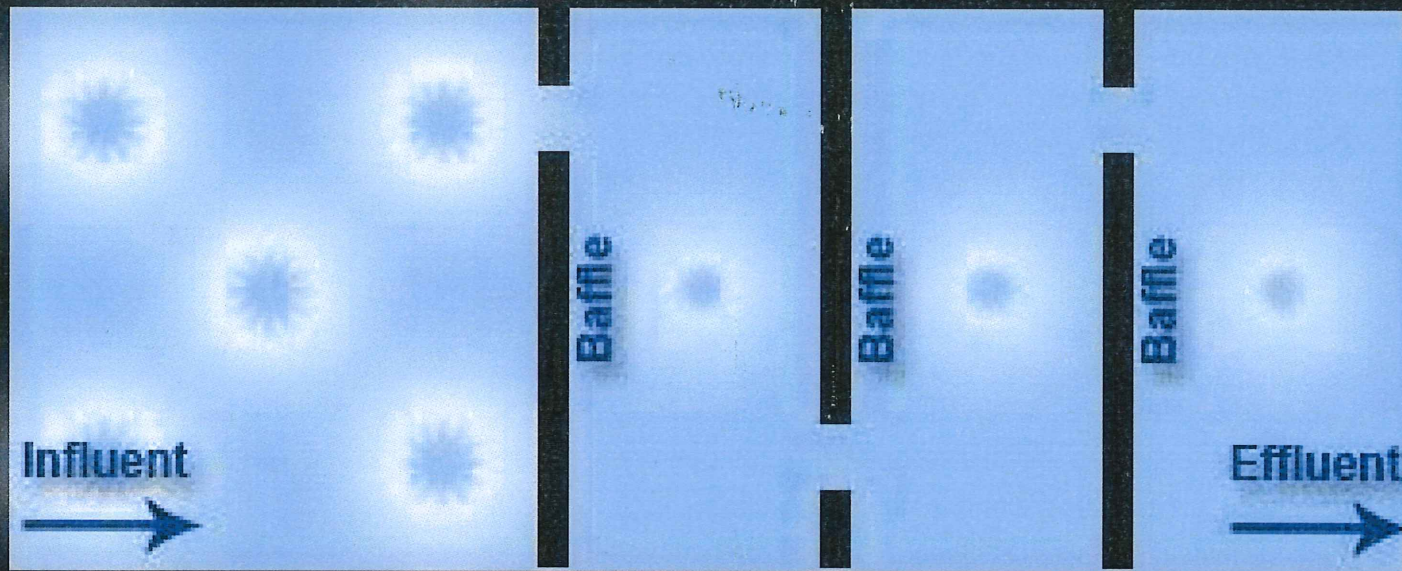


VIOLATION TIMELINE

- OCTOBER 21, 2014, DHEC ISSUED A NOTICE OF VIOLATION (NOV) FOR FAILURE TO COMPLY WITH EFFLUENT LIMITS IN JULY AND AUGUST 2014
 - OCTOBER 28, 2014, THE TOWN RESPONDED TO THE NOV
 - JANUARY 12, 2015, DHEC ISSUED A NOV FOR FAILURE TO COMPLY WITH EFFLUENT LIMITS IN NOVEMBER 2014
 - JANUARY 16, 2015, THE TOWN RESPONDED TO THE NOV
 - APRIL 7, 2015, NOTICE OF ENFORCEMENT CONFERENCE
 - JUNE 15, 2015, DHEC ISSUED A CONSENT ORDER TO EDISTO BEACH AND ORDERED THE TOWN TO PAY A \$3,000 CIVIL PENALTY
 - MAY 26, 2015, THE TOWN SUBMITTED A CORRECTIVE ACTION PLAN (CAP)
 - JANUARY 15, 2016, DHEC ASKED THE TOWN TO SUBMIT A REVISED CAP
 - FEBRUARY 12, 2016, THE TOWN SUBMITTED A REVISED CAP
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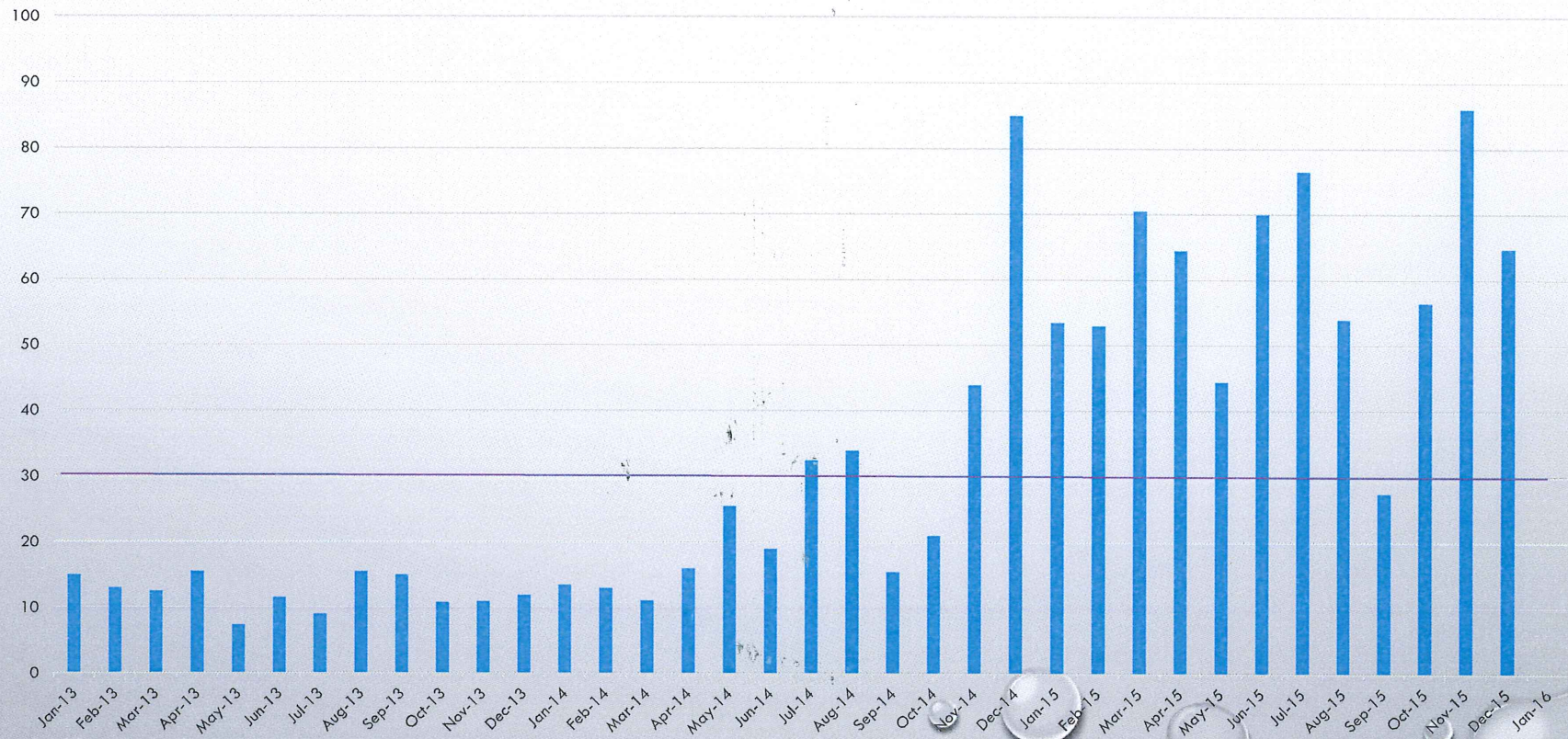
Dual-Power Multicellular Aerated Lagoon



Reactor Cell

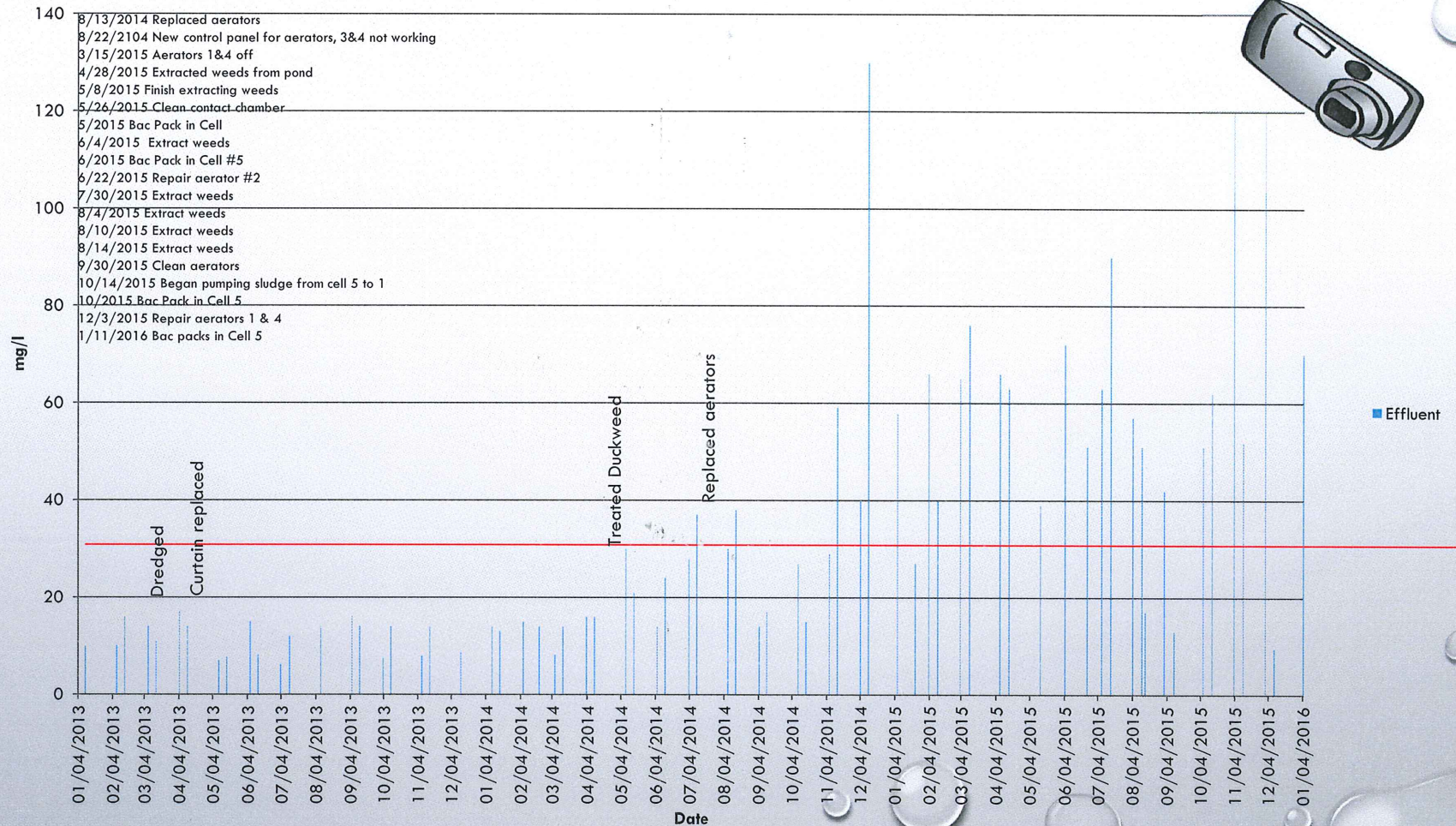
Settling Cells

EFFLUENT MONTHLY BIOCHEMICAL OXYGEN DEMAND



BIOCHEMICAL OXYGEN DEMAND

- THE WASTEWATER TREATMENT PLANT (WWTP) IS PERMITTED TO OPERATE UNDER A SPECIFIC SET OF PARAMETERS (PERMIT ND0063789)
- THE WWTP IS REGULATED BY THE DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (DHEC)
- THE TOWN SUBMITS A DISCHARGE MONITORING REPORT (DMR) REPORT TO DHEC MONTHLY
- ONE OF THE PARAMETERS IS BIOCHEMICAL OXYGEN DEMAND OR BOD
- BOD IS THE AMOUNT OF [DISSOLVED OXYGEN](#) NEEDED (I. E., DEMANDED) BY AEROBIC BIOLOGICAL ORGANISMS TO BREAK DOWN ORGANIC MATERIAL PRESENT IN A GIVEN WATER SOURCE AND CAN BE USED AS A GAUGE OF THE EFFECTIVENESS OF [WASTEWATER TREATMENT](#) PLANTS
- THE TOWN'S BOD MAXIMUM MONTHLY AVERAGE EFFLUENT LIMIT IS 30 MG/L



CORRECTIVE ACTION TIMELINE

- HERBICIDED DUCKWEED
- CONSULTED ONLINE ENVIRONMENTAL TO PROVIDE DIRECTION AND TESTING
- DUCKWEED REMOVAL
- CLEANED CHLORINE CONTACT CHAMBER AND PRESSURE WASHED
- BECAUSE SLUDGE WAS ACCUMULATING BEGAN PUMPING SLUDGE FROM CELL 5 TO CELL 1
- BEGAN TAKEN MONTHLY SAMPLES OF EFFLUENT AND INFLUENT TO SEE IF THERE COULD BE OUTSIDE INFLUENCES
- TESTED BACTERIA
- BROUGHT IN AMERICAN ENGINEERING TO BEGIN PRELIMINARY ENGINEERING REPORT TO ADDRESS CAPACITY ISSUES AND ASKED THEM TO REVIEW THE BOD ISSUE AT THE SAME TIME
- INSPECTED CURTAINS/BAFFLES TO SEE IF THERE WAS SHORT-CIRCUITING
- AMERICAN ENGINEERING ASKED FOR ADDITIONAL TESTING FOR 90 DAYS AND ANOTHER 90 DAYS TO ANALYZE AND DEVELOP A SOLUTION

DUCKWEED REMOVAL



SLUDGE PUMPING



CURTAIN/BAFFLE INSPECTION



The image features a light blue gradient background with several realistic water droplets and bubbles of various sizes scattered across the surface. The droplets are most prominent in the top-left and bottom-right corners, with some smaller ones in the top-right and bottom-left areas. The text is centered in the upper half of the image.

WAITING ON DHEC TO REVIEW THE CAP AND FOR
AMERICAN ENGINEERING TO DEVELOP A SOLUTION
TO THE PROBLEM