

Title: Lake Carcinogen

Engineering Challenge

July 20, 2022

Problem Statement: Write the problem statement in your own words and interpretation. What are you trying to achieve? What is being learned through this challenge?

Carcinogens are being formed from water reservoirs being heated by the sun and also containing bromide and chlorine. This has affected 600,000, how can this be prevented/solved?

Materials: List the materials given (if any).

Paper, pencils, and our thoughts

Approach: Write a description of your plan to achieve the goal of the problem statement. Add drawings/sketches/CADs if possible.

We all thought of solutions to the problem, my solution was lily pads covering the lake, Elio's solution was to get a giant tarp, and Riley's solution was to dump a bunch of oil into the lake.

Solution: What is your solution to the given problem?

The final solution that was actually used were shade balls, balls that are colored black and have water filled inside.

Analysis: After testing, did it achieve your goal? Either way, what could you have done better? If given more time/materials, what would you do differently?

I already knew the solution to the problem, but I thought it had to be an original idea. I would have researched the shade balls more instead of finding our own solution, I still thought it was fun to propose funny ideas though

Images:

