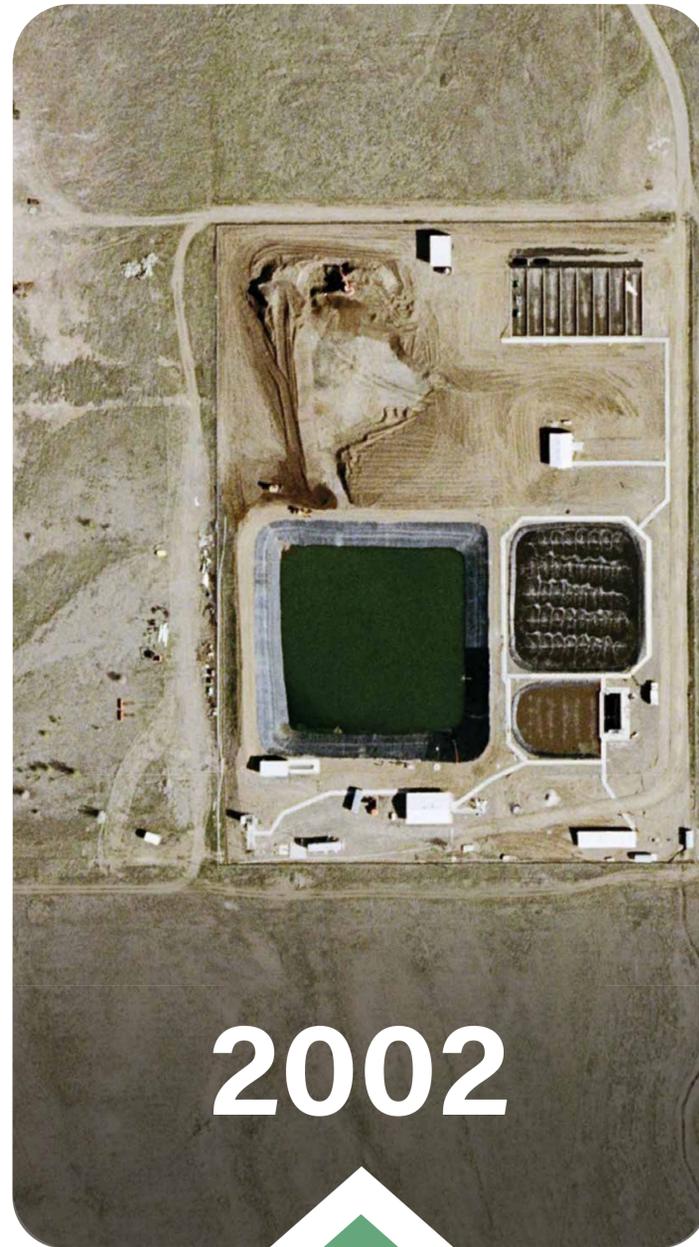


WHY IS AN UPGRADE OF THE EXISTING WASTEWATER TREATMENT PLANT (WWTP) NEEDED?

The City of East Helena's WWTP Historical Upgrades



...unfortunately, infrastructure doesn't last forever.

Existing WWTP facilities are beyond their **20-year useful life.**



Equipment



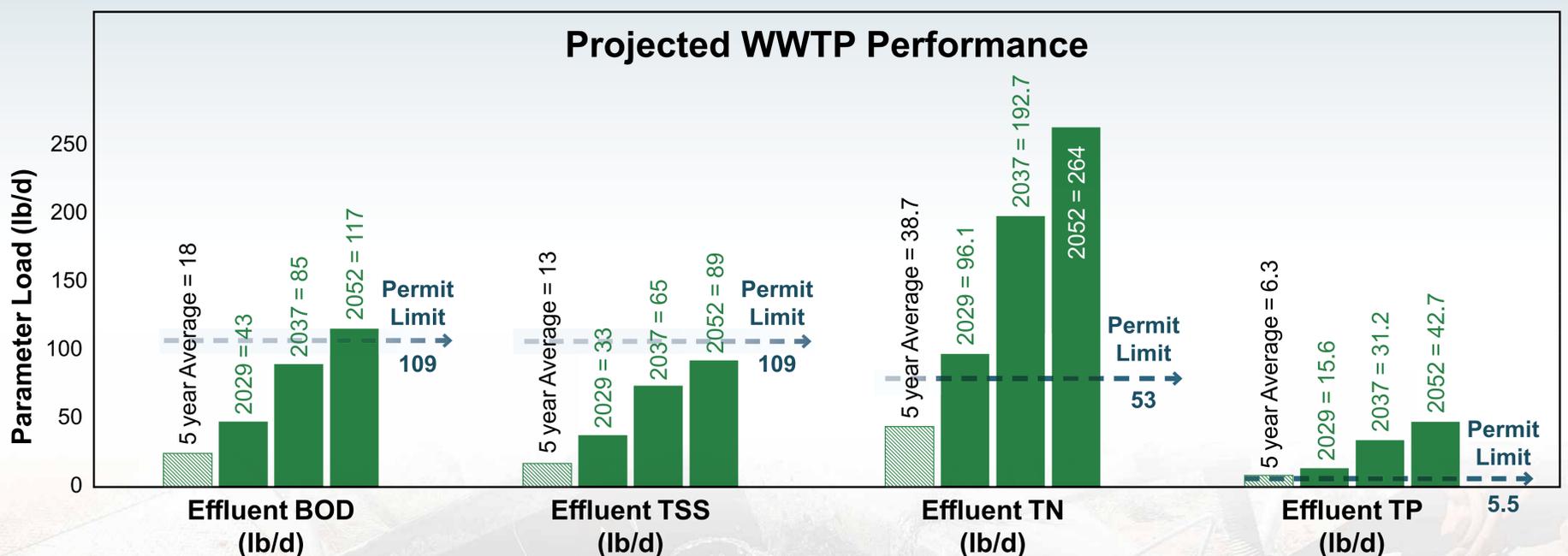
Lined Basins

Current WWTP struggles to reliably meet Montana Department of Environmental Quality (MDEQ) effluent requirements.

Summary of Permit Violations

Year	Biological Oxygen Demand (BOD) Monthly Violations	Total Suspended Solids (TSS) Monthly Violations	E. Coli Monthly Violations	Total Nitrogen (TN) Monthly Violations	Total Phosphorous (TP) Monthly Violations
2021	1	0	1	0	3
2022	0	0	0	0	3
2023	0	0	0	1	2
2024	1	0	0	3	1
2025	2	0	2	5	5
Violations	4	0	3	9	14

Anticipated discharge permit changes and increased flows will require **enhanced nutrient removal.**



Existing WWTP has **insufficient capacity** to accept future flows from projected growth.