

**Toutle****Wastewater Treatment Plant****Annual Treatment Facility Review Report (Wasteload Assessment)**

Reporting Year:

From: 1/1/2024

To: 12/31/2024

**Design Parameters:**

Max monthly design flow (dry): 0.25 MGD

Design Population Equivalent: 1500

Max monthly design flow (wet): 0.5 MGD

Present Population Served:

Peak daily design flow: 0.5 MGD

Projected Population growth:

Design Influent BOD loading: 270 lbs/day

Compliance with effluent permit limitation?

Design Influent TSS loading: 270 lbs/day

Yes

No

**Table 1, Influent Monthly Average Loading & Peak Daily Flow (From Monthly DMR)**

Month	Avg flow (MGD)	Peak Flow (MGD)	BOD (lbs/day)	TSS (lbs/day)
January	0.1500	0.2600	143.0	114.0
February	0.1100	0.1900	168.5	148.0
March	0.1100	0.2500	117.0	101.6
April	0.0600	0.0800	108.0	99.0
May	0.0600	0.1400	98.0	86.0
June	0.0600	0.1200	109.0	92.0
July	0.0500	0.0700	105.0	83.0
August	0.0423	0.0500	96.4	77.6
September	0.0400	0.0600	99.0	73.0
October	0.0500	0.0900	117.0	88.0
November	0.1150	0.2100	128.0	129.0
December	0.1400	0.2300	146.0	109.0

**Table 2, Maximum Influent Monthly Average Loading (Highest Month)**

	Month	Monthly Value	Design Capacity	% Design Capacity	Previous year Monthly value	% Increase / Decrease
Dry Weather Flow MGD	April	0.0600	0.2500	24.00%	0.0400	50.00%
Wet Weather Flow MGD	January	0.1500	0.5000	30.00%	0.1200	25.00%
Peak Flow MGD	January	0.2600	0.5000	52.00%	0.2800	-7.14%
BOD (lbs/day)	February	168.5	270.0	62.41%	97.0	73.71%
TSS (lbs/day)	February	148.0	270.0	54.81%	97.0	52.58%

\* Flow or wasteload reached 85% of design capacity; \*\* Flow or wasteload reached or exceeded its design capacity

If actual flow or wasteload reaches 85% of design capacity for three consecutive months, the permittee shall submit a plan and schedule in accordance with their permit.

**Table 3, Maximum Monthly Average Data for the Last Three Years (For Plotting)**

Year	Flow (MGD)	BOD (lbs/day)	TSS (lbs/day)
2024	0.26	168.5	148
2023	0.33	147	165
2022	0.64	195	308

Estimated year when the design capacity is projected to be reached:

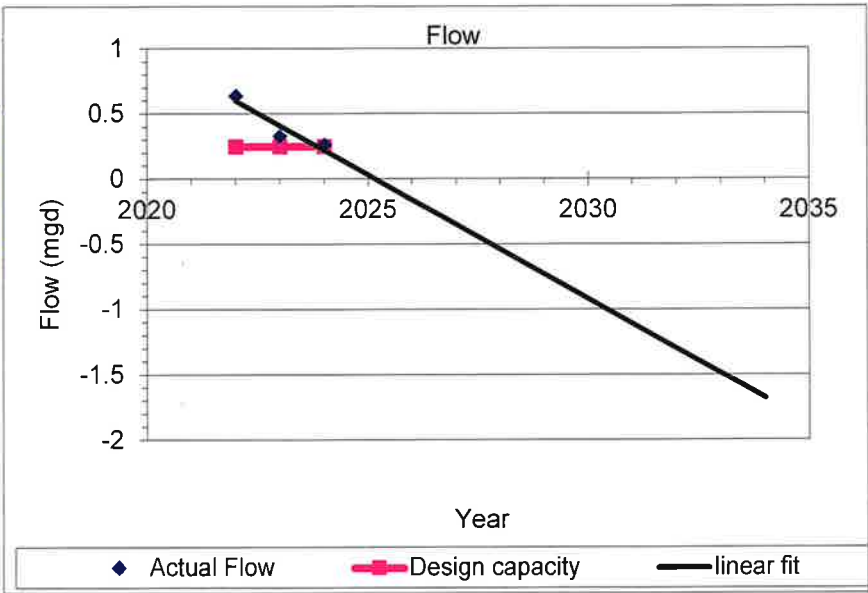
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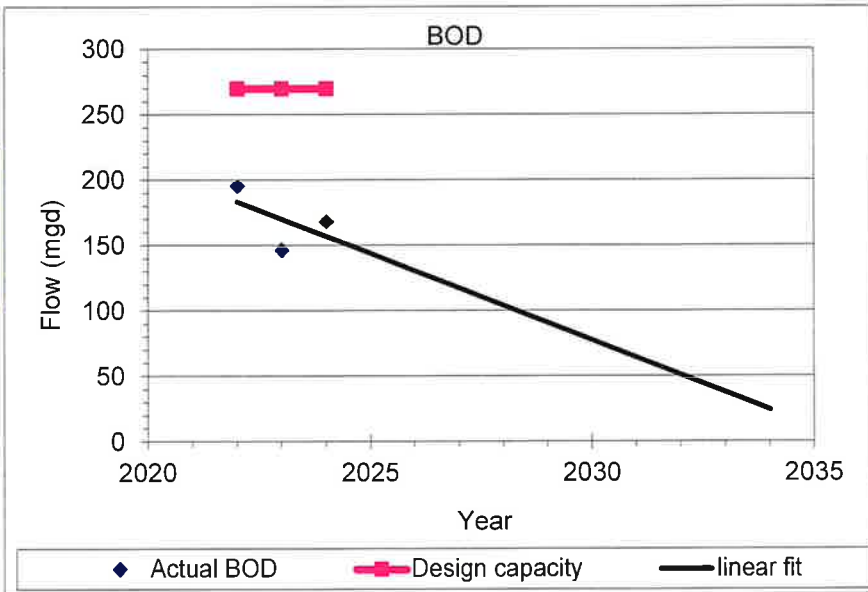
Signature and Title

County Engineer

Year	Max month Flow, mgd	Design cap, mgd
2024	0.26	0.25
2023	0.33	0.25
2022	0.64	0.25



Year	Max month BOD, lbs/day	Design lbs/day
2024	168.5	270
2023	147	270
2022	195	270



Year	Max month TSS, lbs/day	Design lbs/day
2024	148	270
2023	165	270
2022	308	270

