Appendix L

WWTP Review Workshop









Effluent Permi	t	
EFFL	UENT LIMITS: OUTFALL # 0	01
Parameter	Average Monthly ^a	Average Weekly ^b
Biochemical Oxygen	30 mg/L, 2,588 lbs/day	45 mg/L, 3,882 lbs/day
Demand (5-day)	85% removal of influent BOD	
Total Suspended Solids	30 mg/L, 2,852 lbs/day 85% removal of influent TSS	45 mg/L, 4,278 lbs/day
Fecal Coliform Bacteria ^c	200/100 mL	400/100 mL
pH ^a	Daily minimum is equal to	or greater than 6.0 and
	the daily maximum is les	is than or equal to 9.0.
Parameter	Average Monthly	Maximum Daily ^c
Total Residual Chlorine	Not Applicable	0.5 mg/L
Total Ammonia, as N (NH ₃ -N)	18.5 mg/L	27.7 mg/L
		0
Partial Nitrif	ication Required t	0
Remove ~ 5	50% of influent Am	nmonia

Current FI	rrent Flow and Loads				
	Flow (MGD)	BOD (PPD)	TSS (PPD)	BOD mg/L	TSS Mg/L
Average Day	5.70	11,181	12,985	235	273
Maximum Month	6.25	14,099	18,146	270	348
Peak Day	7.50	18,870	26,241	302	420
Peak Hour	9.41	N/A	N/A		
Permit					
Maximum Month	11.4	17,250	21,500	181	226
Percentage of Permit (%)	52	81	85		
Flow Load for re	vs are w ls are a erating s	ell belo pproac study o	w perm hing 85 r engine	itted va % trigge eering re	lues er value eport

	Flow (MGD)	BOD (PPD)	TSS (PPD)	(BOD) mg/L	TSS Mg/L
Average Day	7.99	15,666	18,190	235	273
Maximum Month	8.78	19,730	25,470	269	348
Peak Day	10.50	26,470	36,740	301	418
Peak Hour	13.18	N/A	N/A		
Permit					
Maximum Month	11.4	17,250	21,500	181	226
Percentage of Permit (%)	77	114	118		
Flows	remain excee	below	permitt	ed value	es. apacity

	Nitrogen (TKN)	Phosphorous (TP)
Average Day	1,494	284
Maximum Month	2,063	556
Peak Day	N/A	N/A
Permit		
Maximum Month Ammonia	2,750	N/A
Maximum Month TKN	~2,750	N/A
Effluent Limit at MM Flows Current / (Future)		
Max Monthly (ppd)	986 (1290)	
Max Daily (ppd)	1730 (2540)	







































	TPS (ppd)	WAS(ppd)	
Current			
Average Day	5200	3900	
Maximum Month	6300	4800	
Peak Day	8300	5600	
Projected			
Average Day	7200	5500	
Maximum Month	8800	6700	
Peak Day	11600	7900	
Additional 30% added for mismeasurement o	to TPS data to account f TPS		







