

Outagamie County Landfill Option #2 Pretreatment with Xogen System
2020 Data

Treatment Impact of BOD5

(No Treatment)

<u>INFLUENT</u>		<u>OUTAGAMIE LANDFILL</u>		<u>IMPACT</u>
Average Pounds Per Day(BOD5)		Average Pounds Per Day(BOD5)		% Load
	#'s/ Day	All Cells Combined		<u>BOD5</u>
	#'s/ Day		#'s/ Day	
January	10496	January	707	6.74
February	10127	February	779	7.69
March	11253	March	884	7.86
April	10735	April	753	7.02
May	12630	May	977	7.73
June	10598	June	1210	11.42
		Avg	885	Avg
				8.08

(With Xogen Treatment)

<u>INFLUENT</u>		<u>OUTAGAMIE LANDFILL</u>		<u>IMPACT</u>
Average Pounds Per Day(BOD5)		Average Pounds Per Day(BOD5)		% Load
	#'s/ Day	All Cells Combined		<u>BOD5</u>
	#'s/ Day		#'s/ Day	
January	10496	January	403	3.84
February	10127	February	389	3.85
March	11253	March	477	4.24
April	10735	April	393	3.66
May	12630	May	505	4.00
June	10598	June	629	5.93
		Avg	466	Avg
				4.25

Treatment Impact of NH3-N

(No Treatment)

<u>INFLUENT</u>		<u>OUTAGAMIE LANDFILL</u>		<u>IMPACT</u>
Average Pounds Per Day(NH3-N)		Average Pounds Per Day(NH3-N)		% Load
	#'s/ Day	All Cells Combined		<u>NH3-N</u>
	#'s/ Day		#'s/ Day	
January	1530	January	321	20.97
February	1453	February	370	25.47
March	1571	March	532	33.88
April	1594	April	361	22.62
May	1599	May	413	25.84
June	1568	June	465	29.68
		Avg	410	Avg
				26.41

(With Xogen Treatment)

<u>INFLUENT</u>		<u>OUTAGAMIE LANDFILL</u>		<u>IMPACT</u>
Average Pounds Per Day(NH3-N)		Average Pounds Per Day(NH3-N)		% Load
	#'s/ Day	All Cells Combined		<u>NH3-N</u>
	#'s/ Day		#'s/ Day	
January	1530	January	96	6.29
February	1453	February	111	7.64
March	1571	March	160	10.17
April	1594	April	108	6.79
May	1599	May	124	7.75
June	1568	June	140	8.90
		Avg	123	Avg
				7.92