



ENVIRONMENTAL BUSINESS SPECIALISTS, LLC

			"Midpoint"	Effluent
Ammonia, as N in			7.50	8.30
Soluble orthophosphate,			0.38	2.90
DOUR in mg/l/hr			0.22	0.70
* TOC (from Mill Data)		12.9	8.5	2.4
Predicted BOD from TOC, mg/L	205			52
Flagellates @ 400x	216			52
Free Swimming Ciliates @ 100x		15	33	71
Stalked Ciliates @100x		0	0	4
Rotifers @ 100x		0	0	0
Total Higher Life Forms		15	33	75
Maturity Index		1.00	1.00	1.05
Microbiology		Abundant bacteria, some filamentous bacteria	Abundant bacteria, some filamentous bacteria, and more flagellates than upstream	Low solids and compact floc. More larger ciliates fewer single celled bacteria, but even more longer strand filaments and more purple sulfur bacteria

Surge Efflu

	7.10	7.3	7.2	7.50	7.90
	0.35	1.00	1.6	1.20	2.96
	0.51	0.35	0.18	0.17	0.18
		4.0	20.0	5.0	6.0
	N/A				N/A
	N/A				N/A
		16	31	54	26
		0	14	48	9
		0	0	3	0
		0	1	1	0
		16	46	106	35
		1.00	1.37	1.54	1.26
		High solids, not as much dispersed bacteria as one would expect. Some short filaments (indicating low DO) and a few flagellates.	More higher life forms and fewer solids and abundant bacteria	Excellent maturity with many higher life forms	Few dispersed bacteria and solids. Indicative of good settling.

* TOC analyzer giving erroneous numbers

Yellow Zone

	Surge Pond Effluent	Port la Rank	"Last Finger Dike"	Effluent
pH	10 - 11	8.5 - 9.5	8 - 9	8 - 8.5
Ammonia, as N in mg/l		< 0.3	< 0.3	
Soluble orthophosphate, as P		< 0.3	< 0.3	
DOUR in mg/l/hr		< 5 or 15 - 20	8 - 10	4-6
TOC (from Mill Data)	230-290			>290
Predicted BOD from TOC	250-300			>300

Red Zone

	Surge Pond Effluent	Port la Rank	"Last Finger Dike"	Effluent
	> 11	>9.5	> 9	> 8.5
		< 0.1	< 0.1	
		< 0.1	< 0.1	
		> 20	> 15	> 10
	> 290			> 6
	>300			>50

Nutrient Inventory and Usage Summary

Today's Level	56	inches
Today's Inventory	2518	gallons
Last Inventory	3020	gallons
Product Delivered	5000	gallons
Product Used	5502	gallons
Days since last visit	10	days
Average usage since last visit	550	gallons per day
Target usage rate	600	gallons per day

Bacteria Inventory and Usage Summary

Today's Inventory	400	lbs
Last Inventory	550	lbs
Product Delivered	0	lbs
Product Used	150	lbs
Average Usage since last visit	15	lbs per day
Target Usage	15	lbs per day