Effluent

		Draft Permit						"Old" Permit					
Pollutant		Discharge Limit.				Monitoring Requirements		Discharge Limit.				Monitoring Requirements	
		Mass Based (lbs/day)		Concentration Based (mg/l unless specified)		Frequency	Sample Type	Mass Based (lbs/day)		Concentration Based (mg/l unless specified)		Frequency	Sample Type
		Daily Avg.	Daily Max	Daily Avg.	Daily Max			Daily Avg.	Daily Max	Daily Avg.	Daily Max		
Production	Tier 1	≤ 97,939		N/A		Report monthly		na					
	Tier 2	>97,939, but ≤ 111,849											
	Tier 3	>111,849, but ≤ 128,116											
Flow (MGD)	Tier 1	3.1	report	Total volume in 24hr not to exceed 8% of actual stream or daily average of 3.1 MGD		daily	continuous	Report	Report	na	Not to exceed 8% of actual stream flow	daily	continuous*
	Tier 2												
	Tier 3												
DO	Tier 1	Report				Continuous &	Continuous	Report Monthly Min from each method; Must be 5.0 mg/L or higher at all times				continuous/ 5/week	continuous/ grab
	Tier 2												
	Tier 3												
BOD5	Tier 1	323	646	30	60	5/week	Composite	776	1552	30	60	5/Week	Composite
	Tier 2	369	738										
	Tier 3	423	846										
COD	Tier 1	5328	10656	Report	Report	3/week	Composite	5500	11000	Report	Report	5/Week	Composite
	Tier 2	5500	11000										
	Tier 3												
TSS	Tier 1	650	1160	Report	Report	1/week	Composite	650	1160	30	45	5/Week	Composite
	Tier 2												
	Tier 3												
Sulfide	Tier 1	9.8	19.6	1.5	3	3/week	Grab	24	48	1.5	3	Daily	Grab
	Tier 2	11.2	22.4										
	Tier 3	12.8	25.6										
TDS	Tier 1	NA	NA	2500	3800	5/week	Composite	NA	NA	2500	3800	5/Week	Composite
	Tier 2												
	Tier 3												
Total Phenols	Tier 1	4.9	9.8	Report	Report	1 every 2 months	grab	5	15	Report	Report	1/Week	Grab
	Tier 2	5.6	11.2										
	Tier 3	6.4	12.8										
Mercury, Total (ng/L)	Tier 1	Average				2/year	grab (+ grab	Avg Concen. < 6.0 ng/L or below source water concen, whichever is greater. Report after 90 days - Mercury plan may be needed if >6				2/year Mercury minimization plan required	grab (+ grab from Source)
	Tier 2												
	Tier 3												
Chromium, Total	Tier 1	4.9	9.8	Report	Report	1 every 2 months	Composite	15	24	1.2	2	1/week	composite
	Tier 2	5.6	11.2										
	Tier 3	6.4	12.8										
Ammonia, as N	Tier 1	181	336	7	13	daily	Composite and Calucation (for Total N) take from same sample	260	520	7	13	Daily	Composite
	Tier 2												
	Tier 3												
Total Kjeilahl Nitrogen	Tier 1	NA	NA	Report	Report	1/month		NA	NA	Report	Report	1/Week	Composite
	Tier 2												
	Tier 3												
Organic Nitrogren	Tier 1	NA	NA	Report	Report	1/month		NA					
	Tier 2												
	Tier 3												
Nitrate/Nitrite	Tier 1	NA	NA	Report	report	1/month		NA					
	Tier 2												
	Tier 3												
Total Nitrogen	Tier 1	NA	NA	Report	Report	1/month		NA	NA	Report	Report	1/Week	Composite
	Tier 2												
	Tier 3												
Total Phosphorus	Tier 1	NA	NA	Report	Report	3/week	Composite	NA	NA	Report	Report	3/Week	Composite
	Tier 2												
	Tier 3												
Orthophosphorus	Tier 1	NA	NA	Report	Report	1/month	Taken from	Not found in "old" permit					
	Tier 2												
	Tier 3												
Specific Conductance (µmhos/cm)	Tier 1	NA	NA	Report	Report	daily	continuous	NA	NA	Report	Report	5/Week	Grab
	Tier 2												
	Tier 3												
Color (ADMU color value)	Tier 1	NA	NA	Report	Report	1/week Color Study not required	Grab	NA	NA	Report	Difference < 80 Color Study Required	1/Week	Grab
	Tier 2						Grab						
	Tier 3						Grab						
Fecal Coliform Bacteria May-Oct (# colonies/100 mL)	Tier 1	NA	NA	500	500	Weekly (report as geometric mean of values for samples collected during the month)	Grab					Weekly (reported as the geometric Mean of the Value for the	

Effluent

	Tier 2							NA	NA	200	400	samples collected for the purposes of calculating the daily average value)	Grab
	Tier 3												
Fecal Coliform Bacteria nov-april (# colonies/100 mL)	Tier 1	NA	NA	1000	4000								
	Tier 2												
	Tier 3												
Acute WET (Ceriodaphnia dubia)	Tier 1	LC50 >= 100% effluent	NA	NA	NA	2/week	Composite If 2 WET tests failed, complete TIE and TRE and submit no later than 6 months following date of 2nd failure.	LC50 >= 100% effluent	NA	NA	NA	2/week	Composite
	Tier 2												
	Tier 3												
Acute WET	Tier 1	LC50 >= 100%	NA	NA	NA	1/year		LC50 >= 100% effluent	NA	NA	NA	1st year = 1/quarter, then 1/year	
	Tier 2												
	Tier 3												
Chronic WET	Tier 1	NOEC >= 8%	NA	NA	NA	1/month		NOEC >= 10% effluent	NA	NA	NA	1/month	
	Tier 2												
	Tier 3												
Chronic WET	Tier 1	NOEC >= 8%	NA	NA	NA	1/year		NOEC >= 10% effluent	NA	NA	NA	1st year = 1/quarter, then 1/year	
	Tier 2												
	Tier 3												
pH	Tier 1	Report		Report		Continuous &	Continuous	Report Monthly Min from each method; Not < 6		Report Monthly Max from each method; Not > 8		continuous/ 5/week	continuous/ grab
	Tier 2												
	Tier 3												
temp (F)	Tier 1	Report		Report		Continuous &	Continuous	Report Monthly Min from each method		Report Monthly Max from each method		continuous/ 5/week	continuous/ grab
	Tier 2												
	Tier 3												
PFAS	Characterization Study required in Part III C							NA					
Sludge	Report amount sent to 3rd-party					Annual, by Feb 19th		ulitmate disposal/use of solids reports monthly					
Sodium	Removed							NA	NA	Report	Report	Daily	Composite
Peroxide	Removed							NA	NA	Report	Report	Daily	Grab
Formaldehyde	Removed							NA	NA	Report	1.6	Daily	Grab
THPC	Removed							NA	NA	NA	Report	2/Month; collected	Grab
PFOS	See Part III C							sampling required w/I 60 days of permit (as per application text). ND = no futher investigation					
Copper, Total	No reasonable potential to exceed WQS							NA					
Zinc, Total	No reasonable potential to exceed WQS							NA					
Arsenic, Total	No reasonable potential to exceed WQS							NA					

In stream

		draft permit		"old" permit	
Parameter	Location	frequency	sample type	frequency	sample type
Flow	USGS rocky ford gage 02202040	daily @ 8am	record	daily @ 8am	record
pH	25' upstream and downstream, and 38' (±3') from left riverbank	1/month	grab	1/month	grab
temp					
Specific Conductance*					
Ammonia					
DO					
color		removed from new permit		1/week	monitor concurrently w/ final effluent
Sodium				1/month	grab
Peroxide					
Formaldehyde					
sulfide					
Total Nitrogen					
Total Hardness					
Acute WET (Ceriodaphnia dubia)	25' downstream and 38' (±3') from left riverbank *Spec. Conductance conducted concurrently/same sample location including water depth	1/quarter	grab	1/month	grab
Acute WET (Pimephales promelas)		1/year		1st year = 1/quarter, then 1/year	
Chronic WET (Ceriodaphnia dubia)		1/month		1/month	