

Water Quality Screen for Georgia Pacific - Arkansas

Input variables:					
Receiving Water Characteristics:		Dilution:	Toxicity Dilution Series:		
		ZID Fs =	0.833333	Biomonitoring dilution:	0.854194
Receiving Water Name=	Ouachita River 080101			Dilution Series Factor:	0.75
Critical flow (Qr) cfs=	802	MZ Fs =	0.333333		
Harm. mean/avg tidal cfs=	2406	Critical Qr (MGD)=	518.3326	Percent Effluent	
Drinking Water=1 HNNPCR=2	1	Harm. Mean (MGD)=	1554.998	Dilution No. 1	7.226%
MW=1, BW=2, 0=n		ZID Dilution =	0.364269	Dilution No. 2	5.4194%
Rec. Water Hardness=	36.4	MZ Dilution =	0.854194	Dilution No. 3	4.0645%
Rec. Water TSS=	8	HHmc Dilution=	0.818742	Dilution No. 4	3.0484%
Fisch/Specific=1,Stream=0		HHc Dilution=	0.896326	Dilution No. 5	2.2863%
Diffuser Ratio=		ZID Upstream =	1.745228		
		MZ Upstream =	17.45228		
		MZhhmc Upstream=	52.35683	Partition Coefficients; Dissolved-->Total	
Effluent Characteristics:					
Permittee=	Georgia Pacific - Arkansas	METALS		FW	
Permit Number=	AR0001210	Total Arsenic		1.841541	
Facility Flow (Qef),MGD=	9.9	MZhhc Upstream=	157.0705	Total Cadmium	
		ZID Hardness=	---	4.052518	
		MZ Hardness=	---	Chromium III	
Outfall Number =	001	ZID TSS=	---	4.886472	
Eff. data, 2=lbs/day	1	MZ TSS=	---	Chromium VI	
ML, 2=lbs/day	1			1	
Effluent Hardness=	N/A	Multipliers:		Total Copper	
Effluent TSS=	N/A	WLAa --> LTAA	0.32	2.785816	
WQBL ind. 0=y, 1=n		WLAc --> LTAC	0.53	Total Lead	
Acute/Chr. ratio 0=n, 1=y	0	LTA a,c-->WQBL avg	1.31	5.244006	
Aquatic,acute only=y,0=n		LTA a,c-->WQBL max	3.11	Total Mercury	
		LTA h --> WQBL max	2.38	3.167531	
		WQBL limit/report	2.13	Total Nickel	
Page Numbering/Labeling		WLA Fraction	1	2.198187	
Appendix B-1		WQBL Fraction	1	Total Zinc	
Page Numbers 1=y, 0=n	1			3.332582	
Input Page # 1=y, 0=n	1	Conversions:			
		ug/L-->lbs/day Qef	0.082566	DISCARD THIS PAGE	
Fischer/Site Specific inputs:		ug/L-->lbs/day Qeo	0		
Pipe=1,Canal=2,Specific=3		ug/L-->lbs/day Qr	6.68868		
Pipe width, feet		lbs/day-->ug/L Qeo	12.11152		
ZID plume dist., feet		lbs/day-->ug/L Qef	12.11152		
MZ plume dist., feet		diss-->tot 1=y0=n	1		
HHmc plume dist., feet		Cu diss-->tot1=y0=n	1		
HHc plume dist., feet		cfs-->MGD	0.6463		
				Site Specific Multiplier Values:	
Fischer/site specific dilutions:				CV =	
F/specific ZID Dilution =	---	Receiving Stream:		N =	
F/specific MZ Dilution =	---	Default Hardness=	25	WLAa --> LTAA	
F/specific HHmc Dilution=	---	Default TSS=	10	WLAc --> LTAC	
F/specific HHc Dilution=	---	99 Crit., 1=y, 0=n	1	LTA a,c-->WQBL avg	
		Old MQL=1, New=0	0	LTA a,c-->WQBL max	
				LTA h --> WQBL max	

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(*1)	(*2)	(*3)	(*4)	(*5)	(*6)	(*7)	(*8)	(*9)	(*10)	(*11)	(*1)	(*12)	(*13)	(*14)	(*15)	(*16)
Toxic Parameters	Cu Effluent	Effluent	Effluent	MQL Effluent	95th %	estimate	Numerical Criteria	HH			Toxic Parameters	WLAa	WLAc	WLAh	LTAA	LTAC
	Instream	/Tech	/Tech	1=No 95%	estimate	Non-Tech	Acute	Chronic	HHW	Garcinogen		Acute	Chronic	HHW	Acute	Chronic
	Conc.	(Avg)	(Max)	0=95 %			FW	FW		Indicator						
	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	"C"		ug/L	ug/L	ug/L	ug/L	ug/L
NONCONVENTIONAL																
Total Phenols (4AAP)		5		5	0	10.65	700	350	5		Total Phenols (4AAP)	1921.659	6458.297	266.7841	614.931	3422.897
3-Chlorophenol				10					0.1		3-Chlorophenol	---	---	5.335683	---	---
4-Chlorophenol				10			383	192	0.1		4-Chlorophenol	1851.422	3542.837	5.335683	336.4551	1877.704
2,3-Dichlorophenol				10					0.04		2,3-Dichlorophenol	---	---	2.134273	---	---
2,5-Dichlorophenol				10					0.5		2,5-Dichlorophenol	---	---	26.67841	---	---
2,6-Dichlorophenol				10					0.2		2,6-Dichlorophenol	---	---	10.67137	---	---
3,4-Dichlorophenol				10					0.3		3,4-Dichlorophenol	---	---	16.00705	---	---
2,4-Dichlorophenoxy-acetic acid (2,4-D)				---					100		2,4-Dichlorophenoxy-acetic acid (2,4-D)	---	---	5335.683	---	---
2-(2,4,5-Trichlorophenoxy) propionic acid (2,4,5-TP, Silvex)				---					10		2-(2,4,5-Trichlorophenoxy) propionic acid (2,4,5-TP, Silvex)	---	---	533.5683	---	---
METALS AND CYANIDE																
Total Arsenic	0.59	0.9		5	0	1.917	625.7558	276.2312	18.41541		Total Arsenic	1715.946	5878.133	925.7019	549.1827	2691.41
Total Cadmium				1			42.26679	2.147523	40.52518		Total Cadmium	116.032	39.62669	2162.295	37.13023	21.00214
Chromium III				10			1171.933	380.1628	244.3236		Chromium III	3217.222	7814.869	13036.33	1029.511	3717.88
Chromium VI				10			16	11	50	C	Chromium VI	43.92364	202.975	7903.524	14.05557	107.5768

*** 0.033333 *** --- ***
*** 0.333333 *** *** ***
*** *** *** *** ***

Dilution Calculations
9.6345% 7.2258% 5.4194%
7.2258% 5.4194% 4.0645%
5.4194% 4.0645% 3.0484%
4.0645% 3.0484% 2.2863%
3.0484% 2.2863% 1.7147%

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(*17)	(*18)	(*19)	(*20)	(*21)	(*22)	(*23)	TMDL Max										Site Spec										Fraction		Old MQL	New MQL	Res MQL	MLA	MLAc	WLA	WLA	WLA	ZID	Diln	NZ	Diln	HHnc	Diln	Minimum	LTA	Subroutine	Criteria	
LTAA	Limiting	WQBL	WQBL	WQBL	WQBL	Need	TMDL	TMDL	TMDL	WER	Site	Spec	Site	Spec	Site	Spec	Site	Spec	Site	Spec	Fraction	Fraction																									
HHOW	A,C,HH	Avg	Max	Avg	Max	WQBL?	Param.	lbs/day	2=3.11	Factor	CV	N	WLA-LTAA	WLA-LTAC	LTA-WQBLA	LTA-WQBLn	LTA-WQBLh	WLA	WQBL																												
001	001	001	001	001	001																																										
ug/L	ug/L	ug/L	ug/L	lbs/day	lbs/day																																										
266.7841	266.7841	266.7841	634.9463	22.0273	52.42497	no												1	1	5	5	5	266.7841	1921.659	6458.297	266.7841	0.364269	0.054194	0.018742	0.006326	614.931	3422.897	266.7841	266.7841													
5.335683	5.335683	5.335683	12.69893	0.440546	1.048499													1	1	10	10	10	5.335683	---	---	5.335683	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	5.335683	5.335683													
5.335683	5.335683	5.335683	12.69893	0.440546	1.048499													1	1	10	10	10	5.335683	1051.422	3542.837	5.335683	0.364269	0.054194	0.018742	0.006326	336.4551	1877.704	5.335683	5.335683													
2.134273	2.134273	2.134273	5.07957	0.176218	0.4194													1	1	10	10	10	2.134273	---	---	2.134273	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	2.134273	2.134273													
26.67841	26.67841	26.67841	63.49463	2.20273	5.242497													1	1	10	10	10	26.67841	---	---	26.67841	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	26.67841	26.67841													
10.67137	10.67137	10.67137	25.39785	0.881092	2.096999													1	1	10	10	10	10.67137	---	---	10.67137	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	10.67137	10.67137													
16.00705	16.00705	16.00705	38.09678	1.321638	3.145498													1	1	10	10	10	16.00705	---	---	16.00705	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	16.00705	16.00705													
5335.683	5335.683	5335.683	12698.93	440.546	1048.499	no												1	1	---	---	---	5335.683	---	---	5335.683	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	5335.683	5335.683													
533.5683	533.5683	533.5683	1269.893	44.0546	104.8499	no												1	1	---	---	---	533.5683	---	---	533.5683	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	533.5683	533.5683													
925.7019	549.1027	719.3245	1707.709	59.39175	140.9987	no												1	1	10	5	5	925.7019	1715.946	5078.133	925.7019	0.364269	0.054194	0.018742	0.006326	549.1027	2691.41	925.7019	549.1027													
2162.295	21.00214	27.51281	65.31667	2.271623	5.392936	no												1	1	1	1	1	2162.295	116.032	39.62669	2162.295	0.364269	0.054194	0.018742	0.006326	37.13023	21.00214	2162.295	21.00214													
13036.33	1029.511	1348.659	3201.779	111.3534	264.3581	no												1	1	10	10	10	13036.33	3217.222	7014.869	13036.33	0.364269	0.054194	0.018742	0.006326	1029.511	3717.88	13036.33	1029.511													
7903.524	14.05557	18.41279	43.71281	1.52027	3.609192	no												1	1	10	10	10	7903.524	43.92364	292.975	7903.524	0.364269	0.054194	0.018742	0.006326	14.05557	107.5768	7903.524	14.05557													

[illegible]

Total Copper	1.08	8.3	3	0	19.80871	14.42955	2785.816	
Total Lead			2		97.57288	4.645787	282.2093	
Total Mercury	0	0.00136	0.005	0	0.002897	6.461764	0.03801	6.335963
Total Nickel	1.19	1.8	5	0	3.834	1323.237	146.9561	
Total Zinc	2.77		39	20	0	161.9974	147.9282	16662.91
Total Cyanide			10		45.9	5.4	663.8	

DIOXIN								
2,3,7,8 TCDD; dioxin		1.0E-05			7.1E-07	C		

VOLATILE COMPOUNDS								
Benzene			10		2249	1125	0.58	C
Bromoform			10		2930	1465	3.9	C
Bromodichloromethane			10				0.52	C
Carbon Tetrachloride			2		2730	1365	0.22	C
Chloroform			10		2890	1445	5.3	C
Dibromochloromethane			10				0.39	C
1,2-Dichloroethane			10		11800	5900	0.36	C
1,1-Dichloroethylene			10		1160	580	0.05	C
1,3-Dichloropropylene			10		606	303	0.33	
Ethylbenzene			10		3200	1600	247	
Methyl Chloride			50		55000	27500		
Methylene Chloride			20		19300	9650	4.4	C
1,1,2,2-Tetrachloro-ethane			10		932	466	0.16	C

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('1)	('2)	('3)	('4)	('5)	('6)	('7)	('8)	('9)	('10)	('11)
Toxic Parameters	Cu Effluent	Effluent		MLQ Effluent	95th %		Numerical Criteria	HM		
	Instream	/Tech	/Tech	1=No	95% estimate		Acute Chronic	HHW	Carcinogen	
	Conc.	(Avg)	(Max)	0=95 %	Non-Tech		FW	FW	Indicator	"C"
	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	

VOLATILE COMPOUNDS (cont'd)										
Tetrachloroethylene			10		1290	645	0.65	C		
Toluene			10		1270	635	6100			
1,1,1-Trichloroethane			10		5280	2640	200			
1,1,2-Trichloroethane			10		1800	900	0.56	C		
Trichloroethylene			10		3900	1950	2.8	C		
Vinyl Chloride			10				0.0237	C		

ACID COMPOUNDS										
2-Chlorophenol			10		258	129	0.1			
2,4-Dichlorophenol			10		202	101	0.3			

BASE NEUTRAL COMPOUNDS										
Benzidine			50		250	125	0.00008	C		
Hexachlorobenzene			5				0.00025	C		
Hexachlorabutadiene			10		5.1	1.02	0.09	C		

PESTICIDES										
Aldrin			0.01		3	0.00004	C			
Hexachlorocyclohexane (gamma BHC, Lindane)			0.05		5.3	0.21	0.11	C		
Chlordane			0.2		2.4	0.0043	0.00019	C		
4,4'-DDT			0.02		1.1	0.001	0.00019	C		
4,4'-DDE			0.1		52.5	10.5	0.00019	C		
4,4'-DDD			0.1		0.03	0.006	0.00027	C		
Dieldrin			0.02		0.2374	0.0557	0.00005	C		
Endosulfan			0.1		0.22	0.056	0.47			
Endrin			0.02		0.0864	0.0375	0.26			
Heptachlor			0.01		0.52	0.0038	0.00007	C		
					2	0.014				
Toxaphene			0.3		0.73	0.0002	0.00024	C		

Other Parameters:										
Fecal Col. (col/100ml)							400			
Chlorine			33		19	11				
Ammonia										
Chlorides										
Sulfates										
TDS										

Total Copper	49.12857	213.7496	148484.8	15.72114	113.2873
Total Lead	267.8576	85.72387	13990.18	85.71442	45.43365
Total Mercury	17.73901	0.701378	338.0189	5.676484	0.37173
Total Nickel	3628.022	2666.022	---	1160.967	1412.992
Total Zinc	428.609	2568.505	888596.8	137.1549	1361.308
Total Cyanide	126.0059	99.64229	35418.26	40.3219	52.81041

DIOXIN					
2,3,7,8 TCDD; dioxin	---	---	0.000112	---	---

VOLATILE COMPOUNDS					
Benzene	6174.017	20750.81	91.68088	1975.685	11002.17
Bromoform	8043.517	27032.58	616.4749	2573.925	14327.27
Bromodichloromethane	---	---	82.19665	---	---
Carbon Tetrachloride	7494.471	25187.36	34.77551	2398.231	13349.3
Chloroform	7933.708	26663.54	837.7736	2538.786	14131.68
Dibromochloromethane	---	---	61.64749	---	---
1,2-Dichloroethane	32393.69	108868.4	56.90537	10365.98	57700.27
1,1-Dichloroethylene	3184.464	10702.32	7.903524	1019.028	5672.23
1,3-Dichloropropylene	1663.608	5591.04	17.60775	532.3545	2963.251
Ethylbenzene	8784.728	29523.64	13179.14	2811.113	15647.53
Methyl Chloride	150987.5	507437.6	---	48316.01	268941.9
Methylene Chloride	52982.89	178064.5	695.5101	16954.53	94374.17
1,1,2,2-Tetrachloro-ethane	2558.552	8598.761	25.29128	818.7367	4557.343

				Appendix B-1	
				Georgia Pacific - A	
				AR0001210	

('1)	('12)	('13)	('14)	('15)	('16)
Toxic Parameters	MLAa	MLAc	MLAa	LTAa	LTAc
	Acute	Chronic	HHW	Acute	Chronic
	ug/L	ug/L	ug/L	ug/L	ug/L

Tetrachloroethylene	3541.344	11901.72	102.7458	1133.23	6307.911
Toluene	3486.439	11717.2	325476.7	1115.661	6210.114
1,1,1-Trichloroethane	14494.8	48714.01	10671.37	4638.337	25818.42
1,1,2-Trichloroethane	4941.41	16607.05	88.51947	1581.251	8801.736
Trichloroethylene	10706.39	35981.94	442.5974	3426.044	19070.43
Vinyl Chloride	---	---	3.74627	---	---

ACID COMPOUNDS					
2-Chlorophenol	708.2687	2380.344	5.335683	226.646	1261.582
2,4-Dichlorophenol	554.536	1863.68	16.00795	177.4515	987.7503

BASE NEUTRAL COMPOUNDS					
Benzidine	686.3069	2306.535	0.012646	219.6182	1222.463
Hexachlorobenzene	---	---	0.039518	---	---
Hexachlorabutadiene	14.00096	18.82132	14.22634	4.480211	9.9753

PESTICIDES					
Aldrin	8.235683	---	0.006323	2.635419	---
Hexachlorocyclohexane (gamma BHC, Lindane)	14.54971	3.874978	17.38775	4.655906	2.053738
Chlordane	6.588546	0.079345	0.030933	2.100333	0.042053
4,4'-DDT	3.01975	0.018452	0.030933	0.06632	0.00978
4,4'-DDE	144.1244	193.7489	0.030933	46.11982	102.6869
4,4'-DDD	0.082357	0.110714	0.042679	0.026354	0.058678
Dieldrin	0.651717	1.027792	0.007904	0.208549	0.54473
Endosulfan	0.68395	1.033327	25.07771	0.193264	0.547664
Endrin	0.237188	0.69196	13.87278	0.0759	0.366739
Heptachlor	1.427518	0.070119	0.011065	0.456806	0.037163

Toxaphene	2.004016	0.00369	0.037937	0.641285	0.001956
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Other Parameters:					
Fecal Col. (col/100ml)	---	---	21342.73	---	---
Chlorine	52.15932	202.975	---	16.69098	107.5768
Ammonia	---	---	---	---	---
Chlorides	---	---	---	---	---
Sulfates	---	---	---	---	---
TDS	---	---	---	---	---

0.000112	0.000112	0.000112	0.000267	9.27E-06	2.21E-05	no	---	---	---	---	---	1	1	0.00001	0.00001	0.00001	0.000112	---	---	0.000112	0.364269	0.054194	0.018742	0.006326	1E+38	1E+38	0.000112	0.000112
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Arkansas

[illegible]

1.129678	2.785816	2.785816	2.785816	1.129678	2.785816	1.841541	2.785816	8	8	8	0	---	1	1	19.81	14.43	2786	14.43	0	
2.568424	5.244006	5.244006	5.244006	2.568424	5.244006	1.841541	5.244006	8	8	8	0	-	0	1	1	97.57	4.646	262.2	4.646	0
1	3.167531	3.167531	3.167531	1	3.167531	1.841541	3.167531	8	8	8	0	---	1	1	6.462	0.038	6.335	0.038	0	
1	2.198187	2.198187	2.198187	1	2.198187	1.841541	2.198187	8	8	8	0	---	1	1	1323	147	1E+38	147	0	
1.62156	3.332582	3.332582	3.332582	1.62156	3.332582	1.841541	3.332582	8	8	8	0	---	1	1	162	147.9	16663	147.9	0	
1	1	1	1	1	1	1	1	8	8	8	0	---			45.9	5.4	663.8	5.4	0	

1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	7E-07	7E-07	1
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1	1	1	1	1	1	1	1	0	---						2249	1125	0.58	0.58	1
1	1	1	1	1	1	1	1	0	---						2930	1465	3.9	3.9	1
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	0.52	0.52	1
1	1	1	1	1	1	1	1	0	---						2730	1365	0.22	0.22	1
1	1	1	1	1	1	1	1	0	---						2890	1445	5.3	5.3	1
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	0.39	0.39	1
1	1	1	1	1	1	1	1	0	---						11800	5900	0.36	0.36	1
1	1	1	1	1	1	1	1	0	---						1160	580	0.05	0.05	1
1	1	1	1	1	1	1	1	0	---						606	303	0.33	0.33	1
1	1	1	1	1	1	1	1	0	---						3200	1600	247	247	1
1	1	1	1	1	1	1	1	0	---						55000	27500	1E+38	27500	0
1	1	1	1	1	1	1	1	0	---						19300	9650	4.4	4.4	1
1	1	1	1	1	1	1	1	0	---						932	466	0.16	0.16	1

Dummy	Dummy	Minimum LTA Subroutine	Human
Coefficients	Coefficients	Maximize 0 values: MinimumHealth	
		LTAa	LTAc LTAH Value:Indicator

1	1	1	1	1	1	1	1	0	---						1290	645	0.65	0.65	1
1	1	1	1	1	1	1	1	0	---						1270	635	6180	635	0
1	1	1	1	1	1	1	1	0	---						5280	2640	200	200	1
1	1	1	1	1	1	1	1	0	---						1800	900	0.56	0.56	1
1	1	1	1	1	1	1	1	0	---						3900	1950	2.8	2.8	1
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	0.024	0.024	1

1	1	1	1	1	1	1	1	0	---						258	129	0.1	0.1	1
1	1	1	1	1	1	1	1	0	---						202	101	0.3	0.3	1

1	1	1	1	1	1	1	1	0	---						250	125	8E-05	8E-05	1
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	3E-04	3E-04	1
1	1	1	1	1	1	1	1	0	---						5.1	1.02	0.09	0.09	1

1	1	1	1	1	1	1	1	0	---						3	1E+38	4E-05	4E-05	1
1	1	1	1	1	1	1	1	0	---						5.3	0.21	0.11	0.11	1
1	1	1	1	1	1	1	1	0	---						2.4	0.004	2E-04	2E-04	1
1	1	1	1	1	1	1	1	0	---						1.1	0.001	2E-04	2E-04	1
1	1	1	1	1	1	1	1	0	---						52.5	10.5	2E-04	2E-04	1
1	1	1	1	1	1	1	1	0	---						0.03	0.006	3E-04	3E-04	1
1	1	1	1	1	1	1	1	0	---						0.237	0.056	5E-05	5E-05	1
1	1	1	1	1	1	1	1	0	---						0.22	0.056	0.47	0.056	0
1	1	1	1	1	1	1	1	0	---						0.086	0.038	0.26	0.038	0
1	1	1	1	1	1	1	1	0	---						0.52	0.004	7E-05	7E-05	1
1	1	1	1	1	1	1	1	0	---						2	0.014	6E-05	6E-05	1
1	1	1	1	1	1	1	1	0	---						0.73	2E-04	2E-04	2E-04	0

1	1	1	1	1	1	1	1	0	-	-	---				1E+38	1E+38	400	400	1
1	1	1	1	1	1	1	1	0	---						19	11	1E+38	11	0
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0

1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0
1	1	1	1	1	1	1	1	0	---						1E+38	1E+38	1E+38	-	0

(*1)	(*2)	(*3)	(*4)	(*5)	(*6)	(*7)	(*8)	(*9)	(*10)	(*11)	(*1)	(*12)	(*13)	(*14)	(*15)	(*16)
Toxic	Cu Effluent		Effluent	MQL Effluent		95th %	Numerical Criteria		HH	Toxic	WLAa	WLAa	WLAa	WLAa	LTAc	LTAc
Parameters	Instream	/Tech	/Tech	1=No 95% estimate		Acute	Chronic	HHDW	Carcinogen	Parameters	Acute	Chronic	HHDW	Acute	Chronic	
	Conc.	(Avg)	(Max)	0=95 %		FW	FW	Indicator								
	ug/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L		"C"	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L

Technology Spreadsheet (ocpsfqlq.wk#) Import Macros:

OCPSPF Spreadsheet (ocpsfql.wk#) Import Macros:

Refinery Spreadsheet (refinery.wk#) Import Macr

\T	{GOTO}E79~	Erases spreadsheet parameter	ocpsf	{GOTO}E79~	Erases spreadsheet parameter	refinery	{GOTO}E65~	Erases spreadsheet
	/re{R}{D 26}~	input areas. Metals and Organics		/re{R}{D 26}~	input areas. Metals and Organics		/re{R}~	input areas. Only
	{GOTO}E121~	The Non-Conventionals and		{GOTO}E121~	The Non-Conventionals and		{GOTO}E82~	Chromium (6+), and
	/re{R}{D 14}~	Pesticides are not erased.		/re{R}{D 14}~	Pesticides are not erased.		/re{R}~	are erased.
	{GOTO}E79~	Tech limits are imported from Tech		{GOTO}E79~	Tech limits are imported from Tech		{GOTO}E65~	
	/fcantechexp_all-spreadsheet.			/fcantechexp_all~	spreadsheet.		/fcanc369..d464~	Refinery limits are
								refinery spreadshee
\M	{GOTO}E79~	Site-Specific Macro for erasing and	ocpsfadd	{GOTO}E79~	Tech limits are imported from Tech	refineryadd	{GOTO}E65~	Refinery limits are
	/re{R}{D 26}~	importing tech metal limitations		/fcantechexp_all~	spreadsheet. Imported values are		/fcanc369..d464~	refinery spreadshee
	{GOTO}E79~	from Tech spreadsheet.			added to existing values			values are added to
	/fcantechexp_met~							
								{GOTO}E156~ - Ammor
								/re{R}~
\O	{GOTO}E94~	Site-Specific Macro for erasing and						
	/re{R}{D 13}~	importing tech organic limitations						
	{GOTO}E121~	from Tech spreadsheet. Non-Conventional						
	/re{R}{D 14}~	Metals, and Pesticides are not touched.						
	{GOTO}E94~							
	/fcantechexp_org~							
\R	{GOTO}D65~	Reset macro; erases tech import ranges						
	/re{R 2}{D 42}~	and resets the status as unprotected						
	{GOTO}D121~	for those cells (Rule of Blue)						
	/re{R 2}{D 42}~							
	{GOTO}D65~							
	/ru{R 2}{D 42}~							
	{GOTO}D121~							
	/ru{R 2}{D 42}~							
	{HOME}~							
\A	{GOTO}E79~	Tech limits are imported from Tech						
	/fcantechexp_all-spreadsheet. Imported values are	added to existing values						
Print	\P	{IF PAGE1>0}{HOME}/PPRAREA1~AGQ	{HOME}/ppra1..ac163~agq					
		{IF PAGE2>0}{HOME}/PPRAREA2~AGQ						
		{IF PAGE3>0}{HOME}/PPRAREA3~AGQ						
		{IF PAGE4>0}{HOME}/PPRAREA4~AGQ						
		{IF PAGE5>0}{HOME}/PPRAREA5~AGQ						
		/PPPPQ						

/ppos(BS 20)\027(≤16.66H~q
/ppom12~mr132~q
/ppop60~q
{HOME}/ppra1..ac159~agpq

(¹⁷)	(¹⁸)	(¹⁹)	(²⁰)	(²¹)	(²²)	(²³)	TMDL Max																							
LTAH	Limiting	WQBL	WQBL	WQBL	WQBL	Need	TMDL	TMDL Val. 1=2.38	TMDL Max	WER	Fraction	Fraction	Old MQL	New MQL	Res MQL	WLAHhc	WLAa	WLAc	WLAH	ZID	Diln	MZ	Diln	HHnc	Diln	HHc	Diln	Minimum	LTA	Subroutine
HHDW	A, C, HH	Avg	Max	Avg	Max	WQBL?	Param.	lbs/day	2=3.11	Factor	WLA	WQBL				calc	Acute	Chronic	HHDW								Maximize 0 values:	Minimum		
		001	001	001	001																						LTAa	LTAc	LTAhh	Value:
ug/L	ug/L	ug/L	ug/L	lbs/day	lbs/day								ug/L	ug/L	ug/L		ug/L	ug/L	ug/L											

os:	Refinery (New Source) Spreadsheet (refinery.wk#) Import Macros:			Total Loading Spreadsheet (wqsadd.wk#) Import Macros:			Hazardous Spreadsheet (hazgla.wk#) Import Macro:		
parameter	refnew	{GOTO}E65~	Erases spreadsheet parameter	wqsadd	{GOTO}E65~	Erases spreadsheet parameter	\H	{GOTO}E65~	Erases spreadsheet parameter
values for		/re{R}~	input areas. Only values for		/re{R}{D 42}~	input areas. Metals and Organics		/re{R}{D 42}~	input areas. All parameters are
Total Phenols		{GOTO}E82~	Chromium (6+), and Total Phenols		{GOTO}E121~	The Non-Conventionals and		{GOTO}E121~	erased. Tech limits are imported
		/re{R}~	are erased.		/re{R}{D 14}~	Pesticides are not erased.		/re{R}{D 42}~	from hazgla.wk# spreadsheet.
		{GOTO}E65~			{GOTO}E65~	Tech limits are imported from Total Loading;		{GOTO}E65~	
		/fcanc274..d374~			/fcand247..e345~	3 outfalls, loading		/fcanb463..c560~	
› imported from			Refinery limits are imported from						
it.			new source refinery spreadsheet.						
				wqsaddc	{GOTO}E65~	Erases spreadsheet parameter			
› imported from	refnewadd	{GOTO}E65~	Refinery limits are imported from		/re{R}{D 42}~	input areas. Metals and Organics			
it. Imported		/fcanc274..d370~	new source refinery spreadsheet.		{GOTO}E121~	The Non-Conventionals and			
› existing values.			Imported values are added to existing		/re{R}{D 14}~	Pesticides are not erased.			
			values.		{GOTO}E65~	Tech limits are imported from Total Loading;			
via section					/fcand247..e345~	2 outfalls, 1 loading and 1 concentration based			
			{GOTO}E156~ - Ammonia section						
			/re{R}~						

[illegible]

Dummy
Coefficients

Dummy
Coefficients