INPUT (only add input to green shaded cells)

Comments		Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW
Parameter		**Antimony Total (fish cons.)**	**Arsenic Total (fish cons.)**	**Arsenic Diss (Chronic)**	**Beryllium Total (MCL)**	**Cadmium Diss (Chronic)**	**Chromium +3 Total (Acute)**
Best Possible Water Quality (BWQ)	ug/l	0.000	0.000	0.000	0.000	0.000	0.000
Water Quality Criteria (WQC)	ug/l	4300.000	0.140	36.000	4.000	9.300	10300.000
% of Total Assimilative Capacity (AC.) to be held in reserve for future	%	10%	10%	10%	10%	10%	10%
Maximum % of Remaining Assimilative Capacity to be Insignficant Discharge	%	20%	20%	20%	20%	20%	20%
Existing Permit Conditions							
River - Background Concentration (B) (usually 90th percentile) or MDL if <MDL	ug/l	0.788	1.038	1.038	0.765	0.386	0.953
WWTF - Existing Permit Flow (Q wwtfex)	mgd	4.800	4.800	4.800	4.800	4.800	4.800
WWTF- Existing Maximum Effluent Concentration (ExMaxEC) or MDL if <MDL (**convert to dissolved if criteria is dissolved**)	ug/l	1.000	1.900	1.900	1.000	0.497	7.400
Proposed Permit Conditions							
River-Background Concentration Future Growth Multiplier (FGM)(See Sheet 2)	%	81%	81%	81%	81%	81%	81%
River - Background Concentration Future (B*) (= B x FGM)	ug/l	1.427	1.878	1.878	1.384	0.699	1.724
WWTF - Proposed Permit Flow (Q wwtfpro)	mgd	6.130	6.130	6.130	6.130	6.130	6.130
CORMIX Input / Output at Qwwtfex before Antideg Target known (See page 44 of CORMIX Manual)							
CORMIX Filename:	See Sheet 3	Run #1 Sb	Run #1 As (Fish)	Run #1 As (chronic)	Run #1 Be	Run #1 Cd	Run #1 Cr+3
Modeled Effluent Concentration (ModEC=ExMaxEC - B*) (line C12 - line C15)	ug/l	-0.427	0.022	0.022	-0.384	-0.202	5.676
Modeled Effluent Flow (Qwwtfmod1) (line C11)	mgd	4.800	4.800	4.800	4.800	4.800	4.800
Limiting MZ Condition (Dist x, River Width, Time, End NFR or Tidal Reversal)		Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
Dilution, S at Edge of MZ (see model output)	S	43.3	43.1	43.1	43.1	43.1	43.1
Edge of Mixing Zone (MZ) Concentration (ModEMZC = ModEC / S) (should match model output)	ug/l	0.00347	0.00051	0.00051	0.000881	0.00561	0.157
Actual Edge of MZ Concentration (B* added back in)	ug/l	1.430	1.878	1.878	1.385	0.704	1.881
Mixing Zone Dimensions from model output (X, Y, Z) (X cannot exceed 500 ft (152.4 m))	m, m, m	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5 -30, 21.55	49.5, -30, 21.55
Mixing Zone Plume Half-Width (BH) from model output (BH, RW/4, Is BH<RW/4?)	m, m, yes/no	77.79, 65, no*	78.14, 65, no*	78.14, 65, no*	78.14, 65, no*	78.14, 65, no*	78.14, 65, no*
Mixing Zone Time from model output (cannot exceed 900 seconds = 15 minutes)	min	6.9	6.9	6.9	6.9	6.9	6.9
RESULTS							
Comments		Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW
Parameter		**Antimony Total (fish cons.)**	**Arsenic Total (fish cons.)**	**Arsenic Diss (Chronic)**	**Beryllium Total (water & f)**	**Cadmium Diss (Chronic)**	**Chromium +3 Total (Acute)**
Total Assimilative Capacity, TAC = WQC - BWQ	ug/l	4300.000	0.140	36.000	4.000	9.300	10300.000
Existing Water Quality, EWQ* = MZ Conc + B*	ug/l	1.430	1.878	1.878	1.385	0.704	1.881
Downstream Condition		**Meets WQSs**	**Impaired**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**
Reserve Assimilative Capacity, RESAC = 10% of TAC = 0.1 x TAC	ug/l	430.000	0.014	3.600	0.400	0.930	1030.000
Remaining Assimilative Capacity, REMAC = (WQC - EWQ*) - RESAC	ug/l	3868.570	-1.752	30.522	2.215	7.666	9268.119
Antidegradation Target Concentration 20% at Edge of Mixing Zone, ATC20 = EWQ* + [0.2 x REMAC]	ug/l	775.144	1.528	7.983	1.828	2.237	1855.505
CORMIX Input and Output that meets Antidegradation Target @ Qwwtpro							
CORMIX Filename:	See Sheet 3	Run #2 Sb	Run #2 As (Fish)	Run #2 As (chronic)	Run #2 Be	Run #2 Cd	Run #2 Cr+3
Modelled Effluent Flow, Q (usually proposed higher design flow, i.e. line C15)	mgd	6.130	6.130	6.130	6.130	6.130	6.130
Modelled ATC20 = ATC20 - B* (per model instructions)	ug/l	773.717	-0.350	6.105	0.444	1.539	1853.781
Limiting MZ Condition (Usually same as model run for existing conditions - Line 21)		Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
Dilution, S (Usually lower than the model run for existing conditions - Line 34) (See model output)	S	37	37.2	37	37	37	37.1
Edge of Mixing Zone (MZ) Concentration (Target = line 39) (see model output)	ug/l	773.717	-0.350	6.105	0.444	1.539	1853.781
Actual Edge of MZ Concentration (B* added back in)	ug/l	775.144	1.528	7.983	1.828	2.237	1855.505
Mixing Zone Dimensions from model output (X, Y, Z) (X cannot exceed 500 ft (152.4 m))	m, m, m	39.53, -30, 21.55	x, y, z	39.47, -30, 21.55	39.47, -30, 21.55	39.47, -30, 21.55	39.44, -30, 21.55
Mixing Zone Plume Half-Width (BH) from model output (BH, RW/4, Is BH<RW/4?)	m, m, yes/no	77.97, 65, no*	BH, 65, no*	77.77, 65, no*	77.77, 65, no*	77.77, 65, no*	77.62, 65, no*
Mixing Zone Time from model output (cannot exceed 900 seconds = 15 minutes)	min	5.5	5.5	5.5	5.5	5.5	5.5
Effluent Concentration When ATC20 - B* (line 38) met at edge of MZ (**See model output**)	ug/l	28645	25.05	226	25.4	61	68500
Permit Limit = Effluent Concentration Meeting ATC20 with background added back in	ug/l	28646.43	26.93	227.88	26.78	61.70	68501.72
New Mass Load **(convert effluent concentration back to total if dissolved)**	lbs/day	1464.53	1.38	11.65	1.37	3.17	3502.10
Existing Mass load for Comparison (**convert effluent concentration back to total if dissolved**)	lbs/day	0.04	0.08	0.08	0.04	0.02	0.30
Improved Outfall (Port diameter reduced from 2' to 1.5') for Qwwtfpro (ATC20-B* = same as line 40)							
CORMIX Filename:	See Sheet 3	Run #3 Sb	Run #3 As (Fish)	Run #3 As (chronic)	Run #3 Be	Run #3 Cd	Run #3 Cr+3
Limiting MZ Condition (Dist x, River Width, Time, End NFR or Tidal Reversal)		Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
Dilution, S (Usually lower than the model run for existing conditions - Line 34) (See model output)	S	42.3	42.2	42.3	42.3	42.3	42.3
Mixing Zone Dimensions from model output (X, Y, Z) (X cannot exceed 500 ft (152.4 m))	m, m, m	44.21,-30, 21.55	x, y, z	44.2, -30, 21.55	24.21, -30, 21.55	44.21, -30, 21.55	44.21, -30, 21.55
Mixing Zone Plume Half-Width (BH) from model output (BH, RW/4, Is BH<RW/4?)	m, m, yes/no	82.5, 65, no*	BH, 65, no*	82.51, 65, no*	82.5, 65, no*	82.5, 65, no*	82.5, 65, no*
Mixing Zone Time from model output (cannot exceed 900 seconds = 15 minutes)	min	6.2	7.0	6.2	6.2	6.2	6.2
Effluent Concentration When ATC20 - B* (line 40) met at edge of MZ (**See model output**)	ug/l	32649	28.34	258	29	69.6	78100
Permit Limit if Outfall Improved = Effluent Concentration Meeting ATC20 with background added back in	ug/l	32650.43	30.22	259.88	30.38	70.30	78101.72
New Mass Load **(convert effluent concentration back to total if dissolved)**	lbs/day	1669.23	1.54	13.29	1.55	3.62	3992.89

* Plume width at end NFR prior to bank attachment is OK, did not use as edge MZ since had higher dilution, S than at tidal reversal

Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW	Portsmouth POTW
Copper Diss (Chronic)	**Lead Diss (Chronic)**	**Mercury Total (fish cons.)**	**Mercury Diss (Chronic)**	**Nickel Diss (Chronic)**	**Selenium Diss (Chronic)**	**Silver Diss (Acute)**	**Thallium Total (fish cons.)**	**Zinc Diss (Acute)**	**Iron Total (water & f)**	**Ammonia Total (Chronic)**	**Cyanide Total (Chronic)**
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3.100	8.100	0.051	0.940	8.200	71.000	1.900	6.300	81.000	300.000	3100.000	1.000
10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
0.683	0.380	0.0091	0.008	0.825	0.810	0.380	0.754	3.110	298500.000	100.000	3.130
4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
29.050	5.135	0.022	0.019	4.356	1.966	0.425	1.000	43.516	3400.000	30000.000	13.000
81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%	81%
1.235	0.688	0.016	0.014	1.493	1.466	0.688	1.364	5.629	540285.000	181.000	5.665
6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130
Run #1 Cu	Run #1 Pb	Run #1 Hg Fish	Run #1 Hg Chronic	Run #1 Ni	Run #1 Se	Run #1 Ag	Run #1 Tl	Run #1 Zn	Run #1 Fe	Run #1 NH3	Run #1 CN
27.815	4.448	0.006	0.005	2.863	0.500	-0.263	-0.364	37.887	-536885.000	29819.000	7.335
4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800
Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
43.1	43.1	43.1	43.3	43.1	43.3	43.3	43.1	43.1	43.1	43.1	43.5
0.645	0.116	0.000139	0.000116	0.0884	0.0335	0.000578	0.00051	0.884	75.1	693	0.211
1.880	0.804	0.017	0.014	1.582	1.500	0.688	1.364	6.513	540360.100	874.000	5.876
49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	49.5, -30, 21.55	x, y, z
78.14, 65, no*	78.14, 65, no*	78.14, 65, no*	77.79, 65, no*	78.14, 65, no*	77.79, 65, no*	77.79, 65, no*	78.14, 65, no*	78.14, 65, no*	78.14, 65, no*	78.14, 65, no*	BH, 65, no*
6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Portsmouth POTW	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**	**Portsmouth POTW**
Copper Diss (Chronic)	**Lead Diss (Chronic)**	**Mercury Total (fish cons.)**	**Mercury Diss (Chronic)**	**Nickel Diss (Chronic)**	**Selenium Diss (Chronic)**	**Silver Diss (Acute)**	**Thallium (fish cons.)**	**Zinc Diss (Chronic)**	**Iron Total (water & f)**	**Ammonia Total (Chronic)**	**Cyanide Total (Chronic)**
3.100	8.100	0.051	0.940	8.200	71.000	1.900	6.300	81.000	300.000	3100.000	1.000
1.880	0.804	0.017	0.014	1.582	1.500	0.688	1.364	6.513	540360.100	874.000	5.876
Meets WQSs	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Meets WQSs**	**Impaired**	**Meets WQSs**	**Impaired**
0.310	0.810	0.005	0.094	0.820	7.100	0.190	0.630	8.100	30.000	310.000	0.100
0.910	6.486	0.029	0.832	5.798	62.400	1.022	4.306	66.387	-540090.100	1916.000	-4.976
2.062	2.101	0.022	0.180	2.741	13.980	0.893	2.225	19.790	432342.080	1257.200	4.881
Run #2 Cu	Run #2 Pb	Run #2 Hg Fish	Run #2 Hg Chronic	Run #2 Ni	Run #2 Se	Run #2 Ag	Run #2 Tl	Run #2 Zn	Run #2 Fe	Run #2 NH3	Run #2 CN
6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130	6.130
0.827	1.413	0.006	0.166	1.248	12.514	0.205	0.862	14.161	-107942.920	1076.200	-0.784
Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
37	37	37	37	37	37	37.1	37.1	37	37	37	37.2
0.827	1.413	0.006	0.166	1.248	12.514	0.205	0.862	14.161	-107942.920	1076.200	-0.784
2.062	2.101	0.022	0.180	2.741	13.980	0.893	2.225	19.790	432342.080	1257.200	4.881
39.47, -30, 21.55	39.53, -30, 21.55	39.53, -30, 21.55	39.47, -30, 21.55	39.53, -30, 21.55	39.53, -30, 21.55	39.44, -30, 21.55	39.44, -30, 21.55	39.44, -30, 21.55	39.53, -30, 21.55	39.47, -30, 21.55	x, y, z
77.77, 65, no*	77.97, 65, no*	77.97, 65, no*	77.77, 65, no*	77.97, 65, no*	77.97, 65, no*	77.62, 65, no*	77.62, 65, no*	77.62, 65, no*	77.97, 65, no*	77.77, 65, no*	BH, 65, no*
5.48	5.49		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
30.64	56.2	0.222	6.15	53.2	470	11.65	39.82	525	3032	40200	25.05
31.88	56.89	0.24	6.16	54.69	471.47	12.34	41.18	530.63	543317.00	40381.00	30.72
1.96	3.06	0.01	0.37	2.82	24.15	0.74	2.11	28.68	27776.65	2064.45	1.57
1.40	0.22	0.00	0.00	0.18	0.08	0.02	0.04	1.84	136.11	1200.96	0.52
Run #3 Cu	Run #3 Pb	Run #3 Hg Fish	Run #3 Hg Chronic	Run #3 Ni	Run #3 Se	Run #3 Ag	Run #3 Tl	Run #3 Zn	Run #3 Fe	Run #3 NH3	Run #3 CN
Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal	Tidal Reversal
42.2	42.2	42.2	42.2	42.2	42.3	42.2	42.3	42.2	42.2	42.2	42.2
44.09, -30, 21.55	44.09, -30, 21.55	44.09, -30, 21.55	44.09, -30, 21.55	44.09, -30, 21.55	44.21, -30, 21.55	44.09, -30, 21.55	44.21, -30, 21.55	44.09, -30, 21.55	44.09, -30, 21.55	44.09, -30, 21.55	x, y, z
82.62, 65, no*	82.62, 65, no*	82.62, 65, no*	BH, 65, no*	82.62, 65, no*	82.5, 65, no*	82.62, 65, no*	82.5, 65, no*	82.62, 65, no*	82.62, 65, no*	82.62, 65, no*	BH, 65, no*
6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	7.0
34.92	64	0.254	7	60.6	535	13.24	45.43	599	3454	45800	28.34
36.16	64.69	0.27	7.01	62.09	536.47	13.93	46.79	604.53	543739.00	45981.00	34.01
2.23	3.48	0.01	0.42	3.21	27.48	0.84	2.39	32.68	27798.22	2350.74	1.74

[1]Technical Support Document for the 2013 State of the Estuaries Report, Table NUT1-1, page 21

[2]Future Growth Multiplier (FGM) in Percent = ((Total Design Qs - Total Existing Qs)) / Total Existing Q) x 100

Future Growth Multiplier Calculation
to address Env-Wq 1708.08(b)

WWTF	Annual Ave. Flow, mgd[1]	Design Flow, mgd
Durham	0.952	2.5
Exeter	1.906	3
Newfields	0.056	0.117
Newmarket	0.612	0.85
Dover	2.77	4.7
South Berwick	0.343	0.567
Kittery	1.124	2.5
Newington	0.133	0.29
Pease ITP	0.709	1.2
Farmington	0.297	0.5
Rochester	3.438	5.03
Epping	0.259	0.5
Berwick	0.218	1.1
Milton	0.082	0.1
Rollinsford	0.085	0.15
Somersworth	1.582	2.4
North Berwick	0.11	1
TOTAL	14.68	26.50
FGM[2]	**80.6**	**Percent**

Cormix Run Abbreviations and Corresponding Filenames:

Spreadsheet Name	Actual Cormix Run Filename	
	ExistingAntimony.cmx	
Run #1 Sb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingAntimony(20130712)**.cmx	
Run #2 Sb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureAntimony(20130715)**.cmx	
Run #3 Sb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallAntimony(20130715)**.cmx	
Run #1 As (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingArsenicFish(20130715)**.cmx	Hold Load
Run #2 As (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureArsenicFish**.cmx	NA
Run #3 As (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallArsenicFish**.cmx	NA
Run #1 As (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingArsenicChronic(20130715)**.cmx	
Run #2 As (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureArsenicChronic(20130715)**.cmx	
Run #3 As (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallArsenicChronic(20130716)**.cmx	
Run #1 Be (w & fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingBeryllium(20130716)**.cmx	
Run #2 Be (w & fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureBeryllium(20130716)**.cmx	
Run #3 Be (w & fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallBeryllium(20130716)**.cmx	
Run #1 Cd	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingCadmium(20130716)**.cmx	
Run #2 Cd	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureCadmium(20130716)**.cmx	
Run #3 Cd	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallCadmium(20130716)**.cmx	
Run #1 Cr +3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingChromium+3(20130716)**.cmx	
Run #2 Cr +3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureChromium+3(20130716)**.cmx	
Run #3 Cr +3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallChromium+3(20130716)**.cmx	
Run #1 Cu	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingCopper(20130716)**.cmx	
Run #2 Cu	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureCopper(20130716)**.cmx	
Run #3 Cu	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallCopper(20130717)**.cmx	
Run #1 Pb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingLead(20130717)**.cmx	
Run #2 Pb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureLead(20130717)**.cmx	
Run #3 Pb	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallLead(20130717)**.cmx	
Run #1 Hg (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingMercuryFish(20130717)**.cmx	
Run #2 Hg (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureMercuryFish(20130717)**.cmx	
Run #3 Hg (Fish)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallMercuryFish(20130717)**.cmx	
Run #1 Hg (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingMercuryChronic(20130718)**.cmx	
Run #2 Hg (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureMercuryChronic(20130718)**.cmx	
Run #3 Hg (chronic)	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallMercuryChronic(20130718)**.cmx	
Run #1 Ni	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingNickel(20130718)**.cmx	
Run #2 Ni	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureNickel(20130718)**.cmx	
Run #3 Ni	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallNickel(20130718)**.cmx	
Run #1 Se	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingSelenium(20130718)**.cmx	
Run #2 Se	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureSelenium(20130718)**.cmx	
Run #3 Se	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallSelenium(20130718)**.cmx	
Run #1 Ag	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingSilver(20130719)**.cmx	
Run #2 Ag	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureSilver(20130719)**.cmx	
Run #3 Ag	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallSilver(20130719)**.cmx	
Run #1 Tl	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingThallium(20130719)**.cmx	
Run #2 Tl	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureThallium(20130719)**.cmx	
Run #3 Tl	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallThallium(20130719)**.cmx	
Run #1 Zn	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingZinc(20130719)**.cmx	
Run #2 Zn	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureZinc(20130719)**.cmx	
Run #3 Zn	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallZinc(20130719)**.cmx	
Run #1 Fe	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingIron**.cmx	Hold Load
Run #2 Fe	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureIron**.cmx	NA
Run #3 Fe	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallIron**.cmx	NA
Run #1 NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingAmmonia(20130701)**.cmx	
Run #2 NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureAmmonia(20130701)**.cmx	
Run #3 NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallAmmonia(20130701)**.cmx	
Run #1A NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingAmmoniawith30mgperliter(20130801)**.cmx	
Run #2A NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureAmmoniawith30mgperliter(20130801)**.cmx	
Run #3A NH3	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallAmmoniawith30mgperliter(20130801)**.cmx	
Run #1 CN	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ExistingCyanide**.cmx	Hold Load
Run #2 CN	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**FutureCyanide**.cmx	NA
Run #3 CN	C:\oldpcfiles\cormix backup\CORMIX8.0\PortsJeff15afterneap**ImprovedOutfallCyanide**.cmx	NA