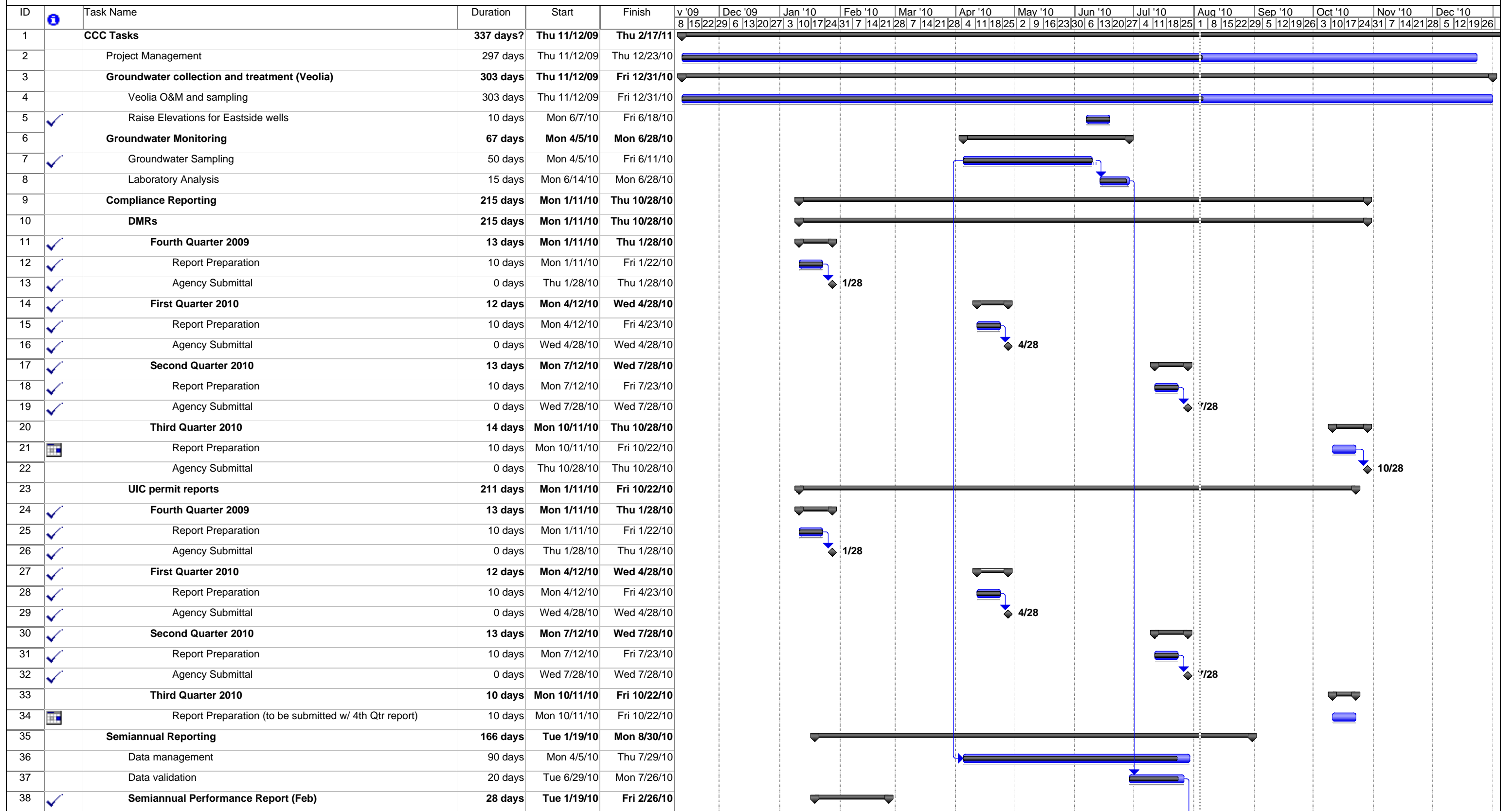


CCC Schedule Updated July 30, 2010



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Task		Progress		Summary		External Tasks		Deadline	
Split		Milestone		Project Summary		External Milestone			

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ID	Task Name	Duration	Start	Finish	v '09	Dec '09	Jan '10	Feb '10	Mar '10	Apr '10	May '10	Jun '10	Jul '10	Aug '10	Sep '10	Oct '10	Nov '10	Dec '10						
					8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21	28	7	14	21
39	Draft Report Preparation	23 days	Tue 1/19/10	Thu 2/18/10																				
40	Review	5 days	Fri 2/19/10	Thu 2/25/10																				
41	Submittal to NDEP	0 days	Fri 2/26/10	Fri 2/26/10																				
42	Annual Performance Report (Aug)	25 days	Tue 7/27/10	Mon 8/30/10																				
43	Draft Report Preparation	20 days	Tue 7/27/10	Mon 8/23/10																				
44	Review	5 days	Tue 8/24/10	Mon 8/30/10																				
45	Submittal to NDEP	0 days	Mon 8/30/10	Mon 8/30/10																				
46	Capture Zone Evaluation and Reporting	188 days?	Thu 3/25/10	Fri 12/3/10																				
47	Develop Capture Zone Evaluation Work Plan	80 days	Thu 3/25/10	Wed 7/7/10																				
48	Submit CZE Work Plan	0 days	Thu 3/25/10	Thu 3/25/10																				
49	NDEP Review	6 days	Thu 3/25/10	Thu 4/1/10																				
50	Revise Work Plan / RTC	31 days	Fri 4/2/10	Fri 5/14/10																				
51	NDEP Review	5 days	Mon 5/17/10	Fri 5/21/10																				
52	Approval of CZE Work Plan	0 days	Mon 5/24/10	Mon 5/24/10																				
53	Tronox Reponse to NDEP Comments	0 days	Wed 7/7/10	Wed 7/7/10																				
54	Capture enhancement and monitoring - IWF	154 days	Tue 4/20/10	Thu 11/11/10																				
55	Recovery and monitoring well installation	110 days	Tue 4/20/10	Fri 9/10/10																				
56	Install 11 piezometers	4 days	Tue 4/20/10	Sat 4/24/10																				
57	Repair M-61, M-77, M-83	2 days	Wed 5/5/10	Thu 5/6/10																				
58	P&A, Replace M-85, M-86	1 day	Mon 5/17/10	Mon 5/17/10																				
59	Install 7 UMCf monitoring wells (barrier wall transect)	4 days	Tue 5/18/10	Sun 5/23/10																				
60	Install UMCf well cluster west of M-149/M-153	2 days	Mon 5/24/10	Tue 5/25/10																				
61	Install 3 UMCf monitoring wells (east property boundary)	3 days	Tue 6/1/10	Thu 6/3/10																				
62	Install replacement well M-148A	1 day	Fri 6/4/10	Fri 6/4/10																				
63	Install 4" Extraction wells downgradient of barrier wall	4 days	Sat 6/5/10	Tue 6/8/10																				
64	Install I-AC, I-AD	2 days	Mon 6/14/10	Tue 6/15/10																				
65	Install Replacement well M-48A	1 day	Wed 6/16/10	Wed 6/16/10																				
66	Install UMCf well cluster near Mn-Tails excavation	5 days	Mon 9/6/10	Fri 9/10/10																				
67	Well development	12 days	Thu 7/22/10	Fri 8/6/10																				
68	Six UMCf monitoring well slug tests	10 days	Mon 8/16/10	Fri 8/27/10																				
69	Connect additional recovery wells	130 days	Mon 5/24/10	Thu 11/11/10																				
70	Prepare RFPs / Design Specifications	60 days	Mon 5/24/10	Thu 8/5/10																				
71	Select Contractor(s)	10 days	Fri 8/6/10	Thu 8/19/10																				
72	Connect 4" Barrier Wall wells	10 days	Fri 8/20/10	Thu 9/2/10																				
73	Electrical Upgrade	30 days	Fri 9/3/10	Thu 10/14/10																				
74	Connect Recovery Wells	20 days	Fri 10/15/10	Thu 11/11/10																				
75	Capture enhancement and monitoring - ARWF	56 days	Thu 6/17/10	Fri 8/27/10																				
76	Recovery and monitoring well installation	29 days	Thu 6/17/10	Wed 7/21/10																				

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Task: Progress: Summary: External Tasks: Deadline:
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77	Install Qal wells PC-141, -142, -143, -146, -147	3 days	Thu 6/17/10	Sat 6/19/10																																															
78	Install 'Muddy Creek High' monitoring wells PC-148, -149	2 days	Sun 6/20/10	Mon 6/21/10																																															
79	Install replacement well PC-134A	1 day	Tue 6/22/10	Tue 6/22/10																																															
80	Install Qal well PC-145	1 day	Wed 6/23/10	Wed 6/23/10																																															
81	Replace ART-7 with deeper recovery well ART-7B	4 days	Thu 6/24/10	Sun 6/27/10																																															
82	Install wells PC-144 and PC-150	2 days	Mon 6/28/10	Tue 6/29/10																																															
83	Install 5 replacement monitoring wells	6 days	Wed 6/30/10	Wed 7/7/10																																															
84	Well development	10 days	Thu 7/8/10	Wed 7/21/10																																															
85	Connect recovery wells to system	5 days	Mon 8/23/10	Fri 8/27/10																																															
86	Plumb and connect modified well ART-7	5 days	Mon 8/23/10	Fri 8/27/10																																															
87	Capture enhancement and monitoring - SWF (ON HOLD)	0 days	Fri 12/3/10	Fri 12/3/10																																															
90	Barrier Wall Evaluation	89 days?	Mon 7/26/10	Thu 11/25/10																																															
91	Backhoe pits and wall survey	4 days?	Mon 7/26/10	Thu 7/29/10																																															
92	Pump 'Dead Zone' wells, monitor trends	60 days	Fri 9/3/10	Thu 11/25/10																																															
93	Hydrogeologic Modeling	160 days?	Mon 3/29/10	Thu 10/28/10																																															
94	MODFLOW Model Work Plan	25 days?	Mon 3/29/10	Fri 4/30/10																																															
95	Submit Work Plan to NDEP	0 days	Fri 4/30/10	Fri 4/30/10																																															
96	NDEP Review of Workplan	10 days	Mon 5/3/10	Fri 5/14/10																																															
97	Revise Work Plan / RTC	10 days	Mon 5/17/10	Fri 5/28/10																																															
98	Submit Final Work Plan	0 days?	Fri 5/28/10	Fri 5/28/10																																															
99	MODFLOW model development	90 days	Mon 5/3/10	Thu 8/26/10																																															
100	MODFLOW model calibration	45 days	Fri 8/27/10	Thu 10/28/10																																															
101	Capture reporting	106 days	Fri 7/9/10	Fri 12/3/10																																															
102	Capture analysis	60 days	Fri 7/9/10	Thu 9/30/10																																															
103	Report preparation	45 days	Mon 10/4/10	Fri 12/3/10																																															
104	Submit Capture Zone Evaluation Report to NDEP	0 days	Fri 12/3/10	Fri 12/3/10																																															
105	Perchlorate Soil Flushing Pilot Test	260 days?	Mon 3/1/10	Thu 2/17/11																																															
106	Pilot Test Workplan	85 days?	Mon 3/1/10	Mon 6/21/10																																															
107	Work Plan Preparation	21 days	Mon 3/1/10	Mon 3/29/10																																															
108	Submit WP to NDEP	0 days	Mon 3/29/10	Mon 3/29/10																																															
109	NDEP Review	14 days	Tue 3/30/10	Fri 4/16/10																																															
110	Respond to Comments/WP Finalization	29 days	Mon 4/19/10	Thu 5/27/10																																															
111	Submit Revised Work Plan	0 days	Thu 5/27/10	Thu 5/27/10																																															
112	NDEP Review	21 days	Fri 5/28/10	Mon 6/21/10																																															
113	NDEP Approval of Work Plan	0 days?	Mon 6/21/10	Mon 6/21/10																																															
114	Column Studies	109 days?	Mon 5/10/10	Wed 9/29/10																																															
115	Collect Soil and Water Materials	5 days	Mon 5/10/10	Fri 5/14/10																																															
116	Analyze Soil and Water Materials	15 days?	Tue 7/6/10	Mon 7/26/10																																															

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Task Progress Summary External Tasks Deadline

Split Milestone Project Summary External Milestone

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117	Prepare Soil Columns	15 days?	Mon 7/12/10	Fri 7/30/10																																																			
118	Conduct soil column tests	10 days?	Mon 8/2/10	Fri 8/13/10																																																			
119	Complete Post Test Analyses	3 days?	Mon 8/16/10	Wed 8/18/10																																																			
120	Prepare Column Study Tech Memo	20 days?	Thu 8/19/10	Wed 9/15/10																																																			
121	Review Column Study Tech Memo	10 days	Thu 9/16/10	Wed 9/29/10																																																			
122	Pilot Scale Demonstration	210 days?	Mon 5/10/10	Thu 2/17/11																																																			
123	Sample Candidate Pilot Study Area	5 days	Mon 5/10/10	Fri 5/14/10																																																			
124	Analyze Samples from Candidate Area	15 days	Mon 5/17/10	Fri 6/4/10																																																			
125	Build Pilot Study Percolation Area	20 days?	Thu 9/30/10	Wed 10/27/10																																																			
126	Install Pilot Study Monitoring Locations	10 days?	Thu 10/28/10	Wed 11/10/10																																																			
127	Sample Pilot Study Monitoring Locations	1 day?	Thu 11/11/10	Thu 11/11/10																																																			
128	Soil Flushing Percolation Period	30 days?	Fri 11/12/10	Thu 12/23/10																																																			
129	Complete Pilot Study Monitoring	20 days?	Fri 12/24/10	Thu 1/20/11																																																			
130	Prepare Pilot Study Report	10 days?	Fri 1/21/11	Thu 2/3/11																																																			
131	Review Pilot Study Report	10 days?	Fri 2/4/11	Thu 2/17/11																																																			
132	Submit Report to NDEP	0 days?	Thu 2/17/11	Thu 2/17/11																																																			

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