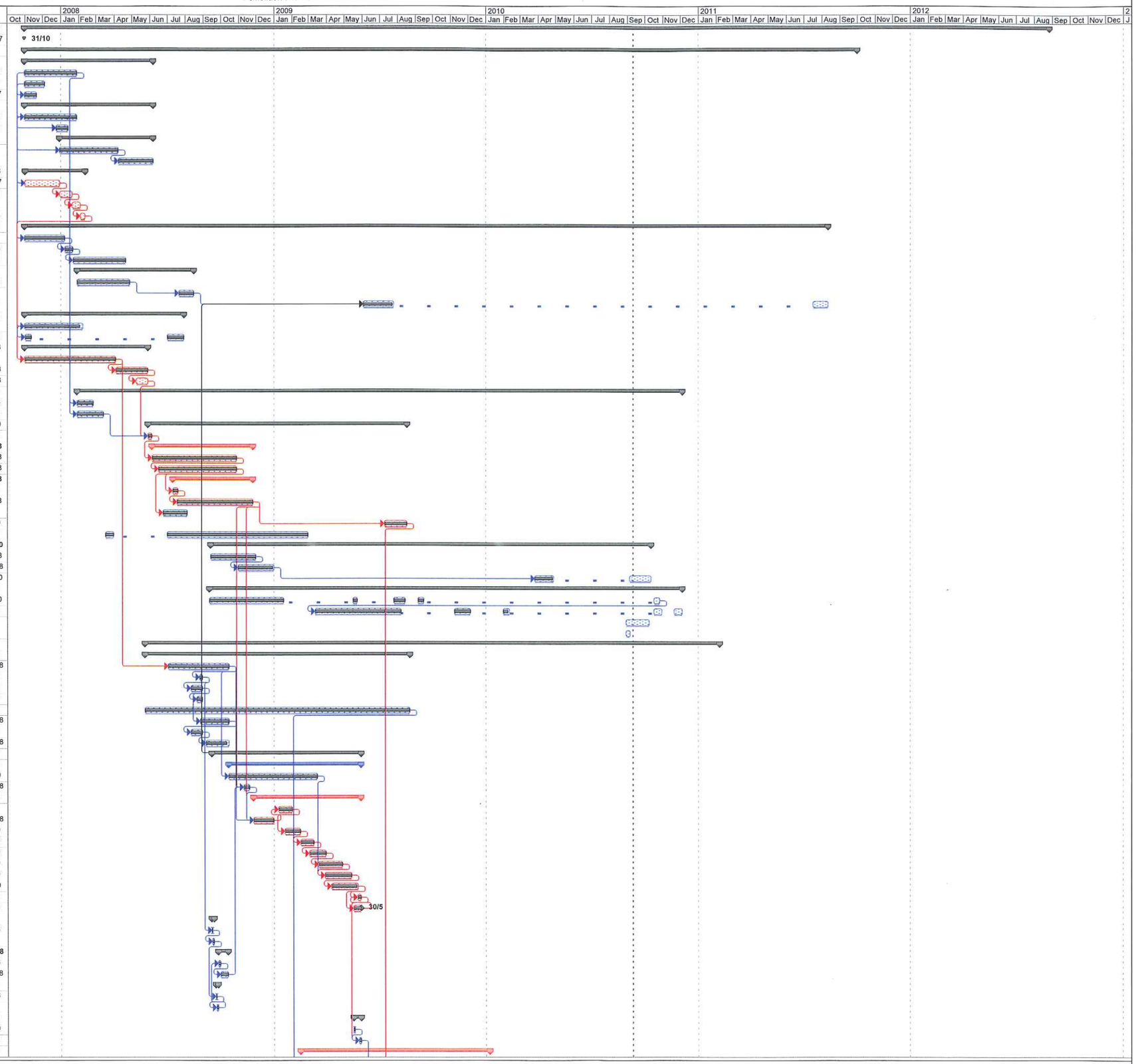
Contract No. CV/2007/06

Master Works Programme
for
Kwai Chung Incineration Plant
Demolition and Decontamination Works

Commencement Date : 31 October 2007
Section 1 Completion Date : 12 Sept 2011
Section 2 Completon Date : 8 Aug 2012

ID	Task Name	Duration	Start	Finish
1	**Working Programme Section 1 & 2 (1743.5 days)**	**1762 days**	**Wed 31/10/07**	**Sun 26/8/12**
2	**Possession of site**	0 days	Wed 31/10/07	Wed 31/10/07
3	**Section 1 (1413 days)**	**1431 days**	**Wed 31/10/07**	**Fri 30/9/11**
4	**A : Preparation and Submission**	**220 days**	**Wed 31/10/07**	**Fri 6/6/08**
5	**A1 Waste Management Plan**	90 days	Wed 31/10/07	Mon 28/1/08
6	**A2 Safety Plan**	35 days	Wed 31/10/07	Tue 4/12/07
7	**A3 EMP & TTS**	21 days	Wed 31/10/07	Tue 20/11/07
8	**A4. Initial, Condition Survey & Baseline Test**	**220 days**	**Wed 31/10/07**	**Fri 6/6/08**
9	A4.1 Initial Survey for Portion A & B	90 days	Wed 31/10/07	Mon 28/1/08
10	A4.2 Baseline Test (Submission, Set Up & Report)	21 days	Mon 24/12/07	Sun 13/1/08
11	**A4.2 Condition Survey for existing structure building**	**160 days**	**Sun 30/12/07**	**Fri 6/6/08**
12	A4.2.1 Structure Building	100 days	Sun 30/12/07	Mon 7/4/08
13	A4.2.1 Chimney	60 days	Tue 8/4/08	Fri 6/6/08
14	**A5 Excavation Permit**	**103 days**	**Thu 1/11/07**	**Mon 11/2/08**
15	A5.1 TTM Submission	60 days	Thu 1/11/07	Sun 30/12/07
16	A5.2 Transport Department and Police Consent for TTM	21 days	Mon 31/12/07	Sun 20/1/08
17	A5.3 Apply Excavation Permit (XP) form Highways Department	14 days	Mon 21/1/08	Sun 3/2/08
18	A5.4 XP Approval	8 days	Mon 4/2/08	Mon 11/2/08
19	**B. Preliminaries works**	**1381 days**	**Wed 31/10/07**	**Thu 11/8/11**
20	**B1 Site Clearance & Tree Survey and Felling**	69 days	Wed 31/10/07	Mon 7/1/08
21	**B2 Repair of Existing Paving**	14 days	Tue 8/1/08	Mon 21/1/08
22	**B3 Locating, Protecting and Sealing off Existing Utilities**	90 days	Tue 22/1/08	Sun 20/4/08
23	**B4 Barging Point at portion B**	**200 days**	**Tue 29/1/08**	**Fri 15/8/08**
24	B4.1 Submission to Marine Department for Approval	90 days	Tue 29/1/08	Sun 27/4/08
25	B4.2 Erection of Barging Point	26 days	Mon 21/7/08	Fri 15/8/08
26	**B5 Disposal of C&D Materials**	79 days	Wed 3/6/09	Thu 11/8/11
27	**B6 Site Offices for The Engineer/Contractor Setting up**	**273 days**	**Wed 31/10/07**	**Tue 29/7/08**
28	B6.1 Erection of RE's Office	100 days	Wed 31/10/07	Thu 7/2/08
29	B6.2 Erection of Contractor Offices	40 days	Thu 1/11/07	Tue 29/7/08
30	**C: Submit Design , Erection of Hoarding Type C & F**	**211 days**	**Wed 31/10/07**	**Wed 28/5/08**
31	C.1 Hoarding and Covered Walkway (Include Re-submission)	156 days	Wed 31/10/07	Thu 3/4/08
32	C.2 Erection of Hoarding type F	55 days	Fri 4/4/08	Wed 28/5/08
33	C.3 Erection of Hoarding type C	20 days	Fri 9/5/08	Wed 28/5/08
34	**D: Removal DCM & ACM**	**1041 days**	**Tue 29/1/08**	**Sat 4/12/10**
35	**D.1 28 days Notice to Labour Department and EPD**	28 days	Tue 29/1/08	Mon 25/2/08
36	**D.2 Method Statement of Removal of ACM to EPD for Approval**	45 days	Tue 29/1/08	Thu 13/3/08
37	**D.3 Asbestos Removal Works**	**446 days**	**Wed 28/5/08**	**Mon 17/8/09**
38	D3.1 Preliminary Decontamination	7 days	Wed 28/5/08	Wed 4/6/08
39	**D3.2 Main Building**	**174 days**	**Thu 5/6/08**	**Tue 25/11/08**
40	1. Erection of scaffolding and working platform	146 days	Thu 5/6/08	Tue 28/10/08
41	2. Setting up the Hygiene Unit for Asbestos removal	135 days	Mon 16/6/08	Tue 28/10/08
42	**3. Removal of ACM Cladding**	**138 days**	**Fri 11/7/08**	**Tue 25/11/08**
43	3.1 Roof of Refuse Reception Bay	9 days	Fri 11/7/08	Sat 19/7/08
44	3.2 External walls	131 days	Fri 18/7/08	Tue 25/11/08
45	**D3.3 Office blocks**	42 days	Tue 24/6/08	Mon 4/8/08
46	**D3.4 Chimney - G/F to Platform 7 and Louvers**	39 days	Fri 10/7/09	Mon 17/8/09
47	**D.4 Method Statement of Removal of DCM to EPD for Approval**	257 days	Mon 17/3/08	Sat 28/2/09
48	**D.5 Removal of DCM**	**758 days**	**Sun 14/9/08**	**Mon 11/10/10**
49	D.5.1 Preliminary Decontamination & Pilot Test	78 days	Sun 14/9/08	Sun 30/11/08
50	D.5.2 Ashing Bay	62 days	Fri 31/10/08	Wed 31/12/08
51	D.5.3 Ash Bunker at -5m	70 days	Fri 26/3/10	Mon 11/10/10
52	**D.6 Disposal of Chemical Contaminated Wastes**	**814 days**	**Fri 12/9/08**	**Sat 4/12/10**
53	D.6.1 Disposal of Asbestos Wastes	175.4 days	Fri 12/9/08	Tue 26/10/10
54	D.6.2 Disposal of Dioxin Wastes	215 days	Fri 13/3/09	Sat 4/12/10
55	**D.7 ACM Removal Works at Grid 3**	**40 days**	**Mon 30/8/10**	**Fri 8/10/10**
56	**D.8 ACM Removal Works at Ash Bunker at -5m**	**7 days**	**Mon 30/8/10**	**Sun 5/9/10**
57	**E : Demolition Works**	**989 days**	**Sat 24/5/08**	**Sun 6/2/11**
58	**E1 Demolition Plans and Method Statements**	**456 days**	**Sat 24/5/08**	**Sat 22/8/09**
59	E1.1 Main Plant	105 days	Thu 3/7/08	Wed 15/10/08
60	E1.2 Weighbridge Office	5 days	Tue 26/8/08	Sat 30/8/08
61	E1.3 Site Office and Store Building	20 days	Mon 11/8/08	Sat 30/8/08
62	E1.4 Link Footbridge	10 days	Thu 21/8/08	Sat 30/8/08
63	E1.5 Chimney	456 days	Sat 24/5/08	Sat 22/8/09
64	E1.6 Up Ramp	50 days	Wed 27/8/08	Wed 15/10/08
65	E1.7 Down Ramp	20 days	Mon 11/8/08	Sat 30/8/08
66	E1.8 Boundary Walls	40 days	Sat 6/9/08	Wed 15/10/08
67	**E2 Buildings and Other Structures**	**257 days**	**Tue 16/9/08**	**Sat 30/5/09**
68	**E2.1 Main Plant**	**228 days**	**Wed 15/10/08**	**Sat 30/5/09**
69	1. Installation of Temporary Platform	153 days	Wed 15/10/08	Mon 16/3/09
70	2. Demolition of Down Ramp	10 days	Mon 10/11/08	Wed 19/11/08
71	**3. Demolition**	**185 days**	**Thu 27/11/08**	**Sat 30/5/09**
72	1. Demolition of Ashing Bay	24 days	Fri 9/1/09	Sun 1/2/09
73	2. Demolition of Refuse Reception Bay	35 days	Thu 27/11/08	Wed 31/12/08
74	3. Removal of the precast concrete units at Roof Level	27 days	Tue 20/1/09	Sun 15/2/09
75	4. Removal of steel structure at Roof Level	23 days	Mon 16/2/09	Tue 10/3/09
76	5. Demolition of Brickwall & External RC Wall	29 days	Tue 3/3/09	Tue 31/3/09
77	6. Removal of the Steel Structure from Roof to 1/F	41 days	Thu 19/3/09	Tue 28/4/09
78	7. Demolition of Charge Hopper Floor & Bulky Shear Floor	46 days	Mon 30/3/09	Thu 14/5/09
79	8. Demolition of Bunker Walls	46 days	Fri 10/4/09	Mon 25/5/09
80	9. Demolition of Ancillary Block	6 days	Mon 25/5/09	Sat 30/5/09
81	10. Demolition of G/F & remaining R.C. Structures	13 days	Mon 18/5/09	Sat 30/5/09
82	**E2.2 Weighbridge Office**	**4 days**	**Tue 16/9/08**	**Fri 19/9/08**
83	1. Installation of precautionary measures	1 day	Tue 16/9/08	Tue 16/9/08
84	2. Demolition	3 days	Wed 17/9/08	Fri 19/9/08
85	**E2.3 Site Office and Store Building**	**17 days**	**Sat 27/9/08**	**Mon 13/10/08**
86	1. Installation of precautionary measures	4 days	Sat 27/9/08	Tue 30/9/08
87	2. Demolition	13 days	Wed 1/10/08	Mon 13/10/08
88	**E2.4 Link Footbridge**	**4 days**	**Tue 23/9/08**	**Fri 26/9/08**
89	1. Installation of precautionary measures	1 day	Tue 23/9/08	Tue 23/9/08
90	2. Demolition	3 days	Wed 24/9/08	Fri 26/9/08
91	**E2.5 Up Ramp**	**13 days**	**Mon 18/5/09**	**Sat 30/5/09**
92	1. Installation of precautionary measures	2 days	Mon 18/5/09	Tue 19/5/09
93	2. Demolition	4 days	Wed 27/5/09	Sat 30/5/09
94	**E3 Chimney**	**326 days**	**Mon 16/2/09**	**Thu 7/1/10**



Version 7.1
Date: 2010/8/20

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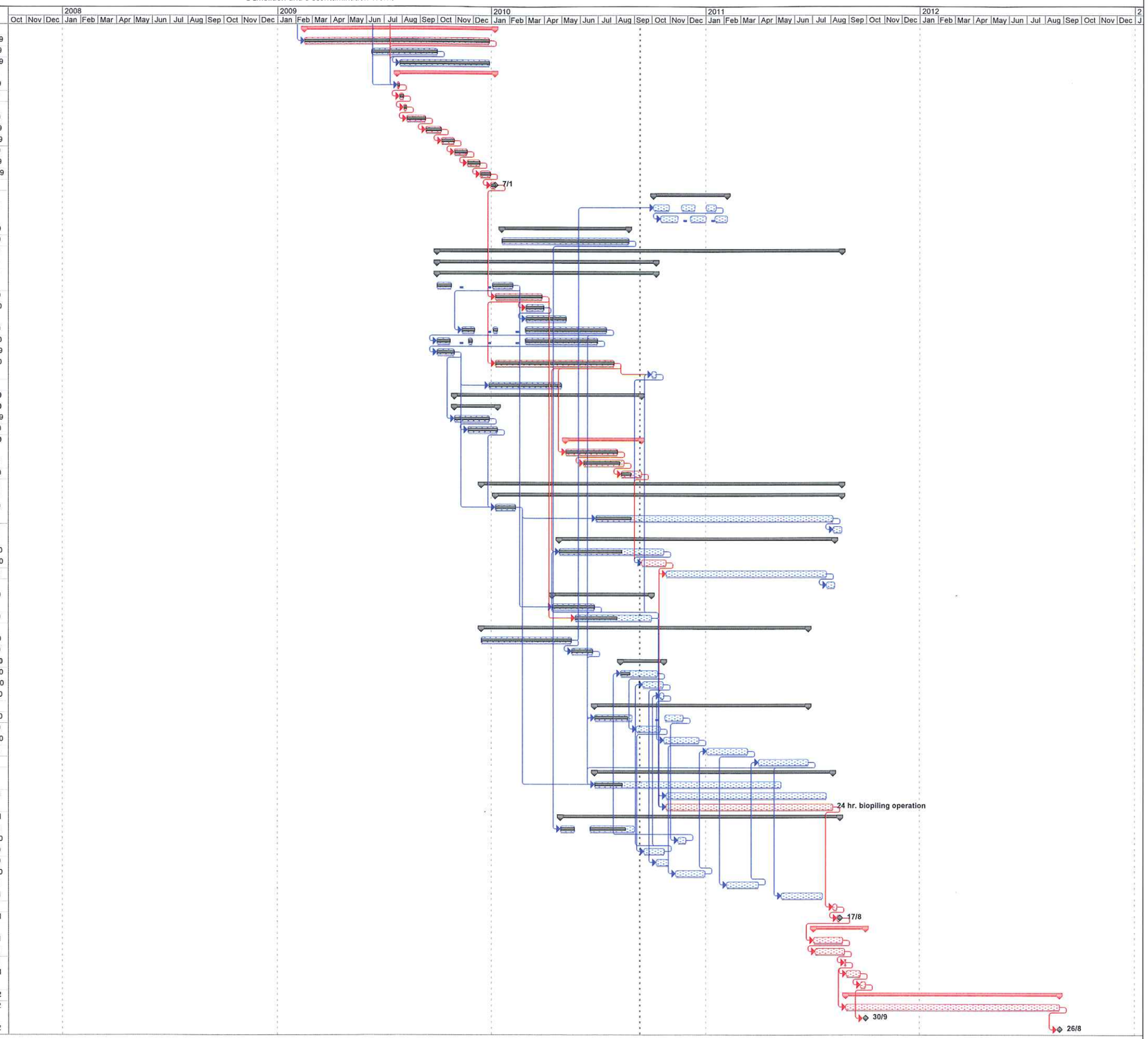
ID	Task Name	Duration	Start	Finish
95	**E3.1 Installation of precautionary measures**	**326 days**	**Mon 16/2/09**	**Thu 7/1/10**
96	1. Erection of Internal Working Platforms	316 days	Mon 16/2/09	Mon 28/12/09
97	2. Fabrication of Catch Fans	113 days	Wed 10/6/09	Wed 30/9/09
98	3. Modification & Erection of Catch Fan	154 days	Tue 28/7/09	Mon 28/12/09
99	**4. Demolition**	**168 days**	**Fri 24/7/09**	**Thu 7/1/10**
100	1. Roof Slab	4 days	Fri 24/7/09	Mon 27/7/09
101	2. Roof Parapet + Remaining Slab	7 days	Tue 28/7/09	Mon 3/8/09
102	3. Wall Segment + Louvers	5 days	Tue 4/8/09	Sat 8/8/09
103	4. Wall Segment (+120.8 to 143.3)	33 days	Sun 9/8/09	Thu 10/9/09
104	5. Wall Segment (+100.7 to 120.8)	27 days	Fri 11/9/09	Wed 7/10/09
105	6. Wall Segment (+75.7 to 100.7)	22 days	Thu 8/10/09	Thu 29/10/09
106	7. Wall Segment (+51.7 to 75.7)	22 days	Fri 30/10/09	Fri 20/11/09
107	8. Wall Segment (+27.0 to 51.7)	22 days	Sat 21/11/09	Sat 12/12/09
108	9. Wall Segment (+10.3 to 27.0)	18 days	Sun 13/12/09	Wed 30/12/09
109	10. Wall Segment (Ground to +10.3)	8 days	Thu 31/12/09	Thu 7/1/10
110	**E4 Boundary Walls**	**126 days**	**Mon 4/10/10**	**Sun 6/2/11**
111	1. Installation of precautionary measures	67 days	Mon 4/10/10	Tue 18/1/11
112	2. Demolition	78 days	Sat 16/10/10	Sun 6/2/11
113	**E5 Ground Slabs/Beams (Uncontaminated Ground)**	**216 days**	**Tue 19/1/10**	**Sun 22/8/10**
114	1. Breaking up ground slabs/beams (1m depth from existing level)	216 days	Tue 19/1/10	Sun 22/8/10
115	**F: Ground Decontamination Works**	**690 days**	**Wed 30/9/09**	**Sat 20/8/11**
116	**F1. Submission, Plant & Equipment**	**374 days**	**Wed 30/9/09**	**Fri 8/10/10**
117	**F1.1 Submission & Approval**	**374 days**	**Wed 30/9/09**	**Fri 8/10/10**
118	1. Remediation Plan (Cement Solidification)	60 days	Wed 30/9/09	Sat 6/2/10
119	2. Remediation Plan (Biopiling)	80 days	Fri 8/1/10	Sun 28/3/10
120	3. Amendment/Revision of Remediation Plans	31 days	Mon 1/3/10	Wed 31/3/10
121	4. Review and Approval of Remediation Plans	69 days	Mon 1/3/10	Sat 8/5/10
122	5. Excavation and Excavated Material Management Plan	168 days	Thu 12/11/09	Thu 15/7/10
123	6. Health and Safety Plan for Ground Decontamination	153 days	Wed 30/9/09	Wed 30/6/10
124	7. Submission for Cement Solidification/Stabilization	30 days	Wed 30/9/09	Thu 29/10/09
125	8. Biopiling Design	202 days	Fri 8/1/10	Wed 28/7/10
126	8.1 Biopile Design Modification after Treatability Test	8 days	Fri 1/10/10	Fri 8/10/10
127	9. Waste Management Plan including revision	124 days	Mon 28/12/09	Fri 30/4/10
128	**F1.2 Plant & Equipment**	**319 days**	**Fri 30/10/09**	**Mon 13/9/10**
129	**1. Cement Solidfication**	**74 days**	**Fri 30/10/09**	**Mon 11/1/10**
130	1. Ordering, Delivery of Equipment and Associated Facilities	60 days	Fri 30/10/09	Mon 28/12/09
131	2. Site Assembly and Establishment	51 days	Sun 22/11/09	Mon 11/1/10
132	**2. Biopiling**	**129 days**	**Sat 8/5/10**	**Mon 13/9/10**
133	1. Ordering, Delivery of Equipment and Associated Facilities	88 days	Sat 8/5/10	Tue 3/8/10
134	2. Preparation for plant operation areas	69 days	Mon 7/6/10	Sat 14/8/10
135	3. Site Assembly and Establishment	35 days	Tue 10/8/10	Mon 13/9/10
136	**F2. Setting up, Operation, Excavation & Treatment**	**614 days**	**Tue 15/12/09**	**Sat 20/8/11**
137	**F2.1 Cement solidification/stabilization**	**590 days**	**Fri 8/1/10**	**Sat 20/8/11**
138	1. Setting up of plant and associated facilities	35 days	Fri 8/1/10	Thu 11/2/10
139	2. Operation and maintenance of plant	404 days	Mon 28/6/10	Fri 5/8/11
140	3. Decommissioning of plant	15 days	Sat 6/8/11	Sat 20/8/11
141	**F2.2 Biopiling**	**469 days**	**Tue 27/4/10**	**Mon 8/8/11**
142	1. Establishment & Formation of Biopiles	178 days	Tue 27/4/10	Thu 21/10/10
143	2. Setting up of plant and associated facilities	42 days	Tue 14/9/10	Mon 25/10/10
144	3. Operation and maintenance of plant	273 days	Tue 26/10/10	Mon 25/7/11
145	4. Decommissioning of plant	14 days	Tue 26/7/11	Mon 8/8/11
146	**F2.3 Treatability Tests**	**169 days**	**Thu 15/4/10**	**Thu 30/9/10**
147	1. Cement Solidification	72 days	Thu 15/4/10	Fri 25/6/10
148	2. Biopiling	130 days	Mon 24/5/10	Thu 30/9/10
149	**F2.4 Excavation**	**557 days**	**Tue 15/12/09**	**Fri 24/6/11**
150	1. Excavation Permit	153 days	Tue 15/12/09	Mon 17/5/10
151	2. Establishment of monitoring facilities	36 days	Tue 18/5/10	Tue 22/6/10
152	**3. Excavation of contaminated ground (hydrocarbon & heavy metals**	**74 days**	**Mon 9/8/10**	**Thu 21/10/10**
153	3.1 Zone 12	63 days	Mon 9/8/10	Mon 11/10/10
154	3.2 Zone 16	35 days	Thu 16/9/10	Wed 20/10/10
155	3.3 Zone 4	7 days	Fri 15/10/10	Thu 21/10/10
156	**4. Excavation of contaminated ground (heavy metals only)**	**364 days**	**Sat 26/6/10**	**Fri 24/6/11**
157	4.1 Zone 13	95 days	Sat 26/6/10	Tue 23/11/10
158	4.2 Zone 12	41 days	Sun 5/9/10	Fri 15/10/10
159	4.3 Zone 4	60 days	Fri 22/10/10	Mon 20/12/10
160	4.4 Zone 15	70 days	Mon 3/1/11	Sun 13/3/11
161	4.5 Zone 14	85 days	Fri 1/4/11	Fri 24/6/11
162	**F2.5 Treatment**	**406 days**	**Sat 26/6/10**	**Fri 5/8/11**
163	1. Heavy metals contaminated materials	318 days	Sat 26/6/10	Mon 9/5/11
164	2. Hydrocarbon contaminated materials	273 days	Tue 26/10/10	Mon 25/7/11
165	3. Hydrocarbon & heavy metals contaminated materials	284 days	Tue 26/10/10	Fri 5/8/11
166	**F3. Backfilling**	**476 days**	**Thu 29/4/10**	**Wed 17/8/11**
167	1. Slab broken up areas (Uncontaminated Ground)	100 days	Thu 29/4/10	Wed 1/9/10
168	2. Zone 13	14 days	Mon 15/11/10	Sun 28/11/10
169	3. Zone 12	35 days	Sat 18/9/10	Fri 22/10/10
170	4. Zone 16	21 days	Sat 9/10/10	Fri 29/10/10
171	5. Zone 4	50 days	Thu 11/11/10	Thu 30/12/10
172	6. Zone 15	54 days	Sun 6/2/11	Thu 31/3/11
173	7. Zone 14 & other areas	70 days	Tue 10/5/11	Mon 18/7/11
174	8. Top remaining areas of Zones 14 & 15	7 days	Sat 6/8/11	Fri 12/8/11
175	9. All remaining areas & final ground profile	5 days	Sat 13/8/11	Wed 17/8/11
176	**G : Others works**	**89 days**	**Mon 4/7/11**	**Fri 30/9/11**
177	G.1. Leveling	50 days	Mon 4/7/11	Mon 22/8/11
178	G.2. Drainage Works	50 days	Thu 7/7/11	Thu 25/8/11
179	G.3. Hydroseeding Works	2 days	Fri 26/8/11	Sat 27/8/11
180	G.4. Reinstatement Works	24 days	Mon 29/8/11	Wed 21/9/11
181	G.5. Site Clearance	9 days	Thu 22/9/11	Fri 30/9/11
182	**Section 2 - Establishment Works**	**365 days**	**Sun 28/8/11**	**Sun 26/8/12**
183	1. General Establishment Works and Post-planting Fertilization	365 days	Sun 28/8/11	Sun 26/8/12
184	**Completion of Section 1**	0 days	Fri 30/9/11	Fri 30/9/11
185	**Completion of Section 2**	0 days	Sun 26/8/12	Sun 26/8/12



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