

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August					September				October				November				December		
						34					35				36				37				38		
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
<b>YL Effluent Polishing Plant - Main Works Stage 1 - Detailed Works Programme DPv29 20230918</b>																									
<b>Contract Data Part 1</b>																									
<b>Access Dates</b>																									
ADWA2	Work Area WA2 (sd) (new site possession) validity for 12 months and subject to renewal	757	05-Mar-21 A	22-Feb-24*	0																				
<b>Environmental Constraints</b>																									
NMM-2165	PS 1.105A Noise Mitigation Measures 2023-2024	152	01-Nov-23*	31-Mar-24	0																				
<b>Planned Completion</b>																									
<b>Compensation Events</b>																									
CE231	Implementation of Compensation Event (CE) No. 231 - Weather conditions affecting the site in Dec 2022	0		30-Jun-23 A																					
CE237	Implementation of Compensation Event (CE) No. 237 - Weather conditions affecting the site in Jan 2023	0		30-Jun-23 A																					
CE262	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Mar 2023	0		16-Aug-23 A																					
CE269	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in Apr 2023	0		16-Aug-23 A																					
CE298	Implementation of Compensation Event (CE) No. 262 - Weather conditions affecting the site in May 2023	0		22-Aug-23 A																					
<b>Preliminary and Preparation Works</b>																									
<b>Subletting</b>																									
SUB-270	Subletting for ELS works for IW, PST, SDB, STB, SD, MBB, TTB, underpass and open cut for admin. bldg	312	12-Oct-21 A	30-Sep-23	-168																				
SUB-380	Subletting for Sheet piling works for remaining areas	333	12-Oct-21 A	11-Nov-23	283																				
SUB-280	Subletting for RC works for IW, PST, SDB, STB, SD, Biogas holder, underpass and admin. bldg	256	29-Nov-21 A	13-Oct-23	-244																				
SUB-350	Subletting for Waterproofing membrane and protection board	300	29-Nov-21 A	05-Oct-23	15																				
SUB-360	Subletting for Rebar fixing	86	29-Nov-21 A	31-Oct-23	-244																				
SUB-310	Subletting for Utilities Corridor ELS	60	08-Aug-22 A	10-Oct-23	-79																				
SUB-290	Subletting for ABWF works for IW, PST, SDB, STB, MBR, TTB and admin. bldg	60	01-Aug-23 A	30-Oct-23	-67																				
SUB-300	Subletting for RC works for MBR and TTB	60	06-Nov-23	04-Jan-24	-2																				
SUB-340	Subletting for Drainage, Sewage & waterworks	90	06-Nov-23	03-Feb-24	-2																				
<b>Design Submission</b>																									
<b>Temporary Works Design</b>																									
<b>Mainstream Bio-Reactor System</b>																									
TWD-250	ELS - Obtain Approval	7	23-Aug-23 A	20-Sep-23	219																				
<b>Sludge Thickening Building</b>																									
<b>One-stage design</b>																									
TWD-210	ELS - Obtain Approval	7	10-Dec-22 A	22-Sep-23	32																				
<b>Tertiary Treatment System</b>																									
TWD-170	ELS - Obtain Approval	7	30-Dec-22 A	25-Sep-23	-193																				
<b>Sludge Digester 1-3 &amp; Utilities Corridor</b>																									
TWD-370	ELS - Obtain Approval	7	21-Dec-22 A	22-Sep-23	-144																				
<b>Sludge Digester 4-6</b>																									
TWD-460	ELS - Prepare & Submission for PM's review	45	23-Sep-23	06-Nov-23	406																				
TWD-470	ELS - Review by PM's & ICE review (28 d + 7d)	35	07-Nov-23	11-Dec-23	406																				
<b>Sludge Dewatering and Underpass</b>																									
TWD-260	ELS - Prepare & Submission for PM's review	45	01-Sep-23	15-Oct-23	254																				
TWD-270	ELS - Review by PM's & ICE review (28 d + 7d)	35	16-Oct-23	19-Nov-23	254																				
TWD-280	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	20-Nov-23	03-Dec-23	254																				
<b>Modification of Existing Emergency Bypass Chamber</b>																									
TWD-670	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	08-Jul-23 A	17-Sep-23	-105																				
TWD-680	ELS - Obtain Approval	7	18-Sep-23	24-Sep-23	-105																				
<b>Modification of Existing Inspection Chamber &amp; Inlet Effluent Pipes from NSWSPS</b>																									
TWD-700	ELS - Prepare & Submission for PM's review	45	26-Oct-22 A	21-Sep-23	-90																				
TWD-710	ELS - Review by PM's & ICE review (28 d + 7d)	35	22-Sep-23	26-Oct-23	-90																				
TWD-720	ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	27-Oct-23	09-Nov-23	-90																				
TWD-730	ELS - Obtain Approval	7	10-Nov-23	16-Nov-23	-90																				
<b>Temporary pipework between PST Stage 1 and A-Tank Inlet [Temporary pumping system]</b>																									
TWD-750	Hydraulic design - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	96	01-Sep-23	05-Dec-23	-22																				
TWD-760	Civil structure design - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	16-Sep-23	20-Dec-23	-22																				
TWD-770	ELS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	96	16-Sep-23	20-Dec-23	-22																				
<b>Temporary pumping and pipeworks between existing Detour and PST Stage 1 [Temp. pumping system]</b>																									
TWD-780	Hydraulic design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)	96	01-Aug-23 A	18-Oct-23	43																				
TWD-790	Civil structure design - Prep(45d), Sub.&Review(21d), Comment&Resub (14d) & Approval (7d)	96	01-Aug-23 A	18-Oct-23	43																				
TWD-800	ELS - Prep(45d), Sub.&Review(30d), Comment&Resub (14d) & Approval (7d)	51	01-Sep-23	21-Oct-23	43																				



- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

Project ID : DWPr29\_230919  
 Layout : DC201910 MPR34-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Aug-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August					September				October				November				December			
						34					35				36				37				38			
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03		
<b>Temporary Working Platform at ELS</b>																										
<b>Temporary Working Platform at AGS ELS</b>																										
TWD-910	Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	06-May-23 A	16-Sep-23	-173						Temp. Working Platform - AGS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)															
TWD-920	Temp. Working Platform - AGS ELS - Obtain Approval	7	17-Sep-23	23-Sep-23	-173						Temp. Working Platform - AGS ELS - Obtain Approval															
<b>Temporary Working Platform at TTS ELS</b>																										
TWD-950	Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)	14	17-Apr-23 A	16-Sep-23	-194						Temp. Working Platform - TTS ELS - Resubmission for PM's & ICE review (7d prep & resub. + 7d ICE)															
TWD-960	Temp. Working Platform - TTS ELS - Obtain Approval	7	17-Sep-23	23-Sep-23	-194						Temp. Working Platform - TTS ELS - Obtain Approval															
<b>Temporary diversion scheme for Early commissioning of SD, BH1, H2S and STB</b>																										
TWD-970	Temp. pipe. for BH1 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	30-Jun-23 A	19-Dec-23	-23						Temp. pipe. for BH1 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)															
TWD-1010	Temp. pipe. for SD1-2 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)	141	21-Oct-23	09-Mar-24	36						Temp. pipe. for SD1-2 Early Comm.-Prep(90d),Sub.&Review(30d) Comment&Resub(14d)&Approval(7d)															
<b>Contractor's Permanent Works Design (include ATAL)</b>																										
<b>AIP</b>																										
<b>Package 3A - Plant Service Water</b>																										
AIP-520	E&M AIP Report for Plant Service Water - Resubmission for further review	45	20-Dec-21 A	30-Sep-23	38						E&M AIP Report for Plant Service Water - Resubmission for further review															
AIP-530	E&M AIP Report for Plant Service Water - Obtain Approval	7	01-Oct-23	07-Oct-23	38						E&M AIP Report for Plant Service Water - Obtain Approval															
<b>Package 23A - Security, Public Address and Communication System</b>																										
AIP-960	SPC - Review by PM's & ICE review (28 d + 7d)	45	19-Apr-23 A	16-Sep-23	-22						SPC - Review by PM's & ICE review (28 d + 7d)															
AIP-970	SPC - Resubmission for further review	45	17-Sep-23	31-Oct-23	-22						SPC - Resubmission for further review															
AIP-980	SPC - Obtain Approval	13	01-Nov-23	13-Nov-23	-22						SPC - Obtain Approval															
<b>DDA</b>																										
<b>Package 2 - Tertiary Treatment System</b>																										
DDA-170	Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comment & Resub.(14d), GEO(28d)&Approval (7d)	121	13-Jun-21 A	30-Sep-23	-31						Civil Req. for TTS (Foundation design) - Prepare(27d), Sub. & Review(45d),Comme															
DDA-150	Foundation for TTS - Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d), GEO (28d)	213	08-Oct-21 A	18-Oct-23	-46						Foundation for TTS - Prepare (90d), Sub. & Review(45d) ,Co															
DDA-180	Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	11-Oct-21 A	30-Sep-23	192						Civil Req. for TTS (Superstruct. design) - Prepare (147d), Sub. & Review(45d) ,Com															
DDA-200	Mechanical for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	208						Mechanical for T															
DDA-210	Electrical& Control for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	213	31-Dec-21 A	24-Nov-23	208						Electrical& Cont															
DDA-140	Architectural for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	17-Nov-22 A	23-Dec-23	65																					
DDA-160	Civil & Structural for TTS - Prepare (120d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	177	17-Nov-22 A	23-Dec-23	-115																					
DDA-220	Building Services (BS) for TTS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	101	16-Sep-23*	25-Dec-23	177																					
<b>Package 3 - Mainstream Bio-Reactor System</b>																										
DDA-260	Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	09-Jun-21 A	30-Sep-23	70						Civil Req. for MBS-AGS (Foundation design) - Prepare (60d), Sub. & Review(45d) ,															
DDA-280	P&ID for MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	19-Oct-23	297						P&ID for MBS (60d), Sub. & Review(45d) ,Comment & Resu															
DDA-290	Mechanical for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	08-Oct-21 A	19-Oct-23	297						Mechanical for MBS - Prepare (60d), Sub. & Review(45d) ,															
DDA-300	Electrical& Control for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	405	08-Oct-21 A	19-Oct-23	297						Electrical& Control for MBS - Prepare (60d), Sub. & Review															
DDA-270	Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	126	01-Mar-22 A	30-Sep-23	70						Civil Req. for MBS-AGS (Superstruct. design) - Prepare (60d), Sub. & Review(45d)															
DDA-240	Foundation for MBS - Prepare (97d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d) & Approval (7d)	230	18-Mar-22 A	09-Dec-23	-2																					
DDA-250	Civil & Structural for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	170	20-Jan-23 A	04-Jan-24	70																					
DDA-1530	VCAB for AGS&TTS - Prepare (30d), Sub. & Review(30d)	204	16-Jun-23 A	22-Mar-24	182																					
DDA-310	Building Services (BS) for MBS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	122	01-Oct-23*	30-Jan-24	194																					
<b>Package 5A - Master Water Meter Room</b>																										
DDA-360	Foundation for Master WM Room- Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d),GEO(28d) & Approval (7d)	154	15-Feb-22 A	16-Nov-23	110						Foundation for Master WM															
DDA-370	Civil & Struct. for WM Room- Prepare (90d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	156	15-Apr-22 A	16-Nov-23	110						Civil & Struct. for WM Roo															
DDA-380	General Arrangement & Civil Req. for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	14-Apr-23 A	16-Nov-23	845						General Arrangement & C															
DDA-390	P&ID for MWMC - MBS (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	64	26-Jun-23 A	01-Nov-23	890						P&ID for MWMC - MBS (60d), Sub. & Review															
DDA-400	Mechanical for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	03-Oct-23	10-Jan-24	890																					
DDA-410	Electrical& Control for MWMC - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	100	03-Oct-23	10-Jan-24	890																					
<b>Package 5B - Plant Service Water (PSW)</b>																										
DDA-1050	Civil Requirement Drawings - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	126	12-Jun-21 A	16-Nov-23	58						Civil Requirement Drawing															
DDA-1040	Piping & Instrumentation Diagram (P&ID) - Prep(30d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	220	26-Jun-23 A	15-May-24	35																					
DDA-1060	Electrical & Control for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	220	09-Oct-23	15-May-24	35																					
DDA-1070	Mechanical for PSW - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	220	09-Oct-23	15-May-24	35																					
<b>Package 6 - Sludge Thickening Chemical and Dosing System</b>																										
DDA-1120	P&ID for STCDS - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	335	14-Aug-21 A	28-Feb-24	293																					
DDA-430	Found. for STCS,WasteGasBurner & Guard Hse- Prepare(60d),Sub.&Review(45d),Comment & Resub.(14d),GEO(28d) & Approval (7d)	96	09-Nov-21 A	29-Jan-24	887																					



- Remaining Level of Eff.
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

Project ID : DWPr29\_230919  
 Layout : DC201910 MPR34-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Aug-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August 34				September 35				October 36				November 37				December 38			
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
						Gantt Chart Area																			
DDA-440	Civil & Struct. for STCS, WGB & Guard Hse - Prepare (60d), Sub. & Review(45d) ,Comment & Resub.(14d) & Approval (7d)	250	09-Nov-21 A	29-Dec-23	54	[Gantt bars for August, September, October, November, December]																			
DDA-440B	Civil Req. for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	300	15-Nov-21 A	30-Dec-23	353	[Gantt bars for August, September, October, November, December]																			
DDA-1130	Mechanical for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	340	16-Nov-21 A	28-Feb-24	707	[Gantt bars for August, September, October, November, December]																			
DDA-1140	Electrical & Control for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	315	30-Nov-21 A	01-Nov-23	887	[Gantt bars for August, September, October, November, December]																			
DDA-1520	Mechanical Ventilation and Air conditional System Design for Sludge Thickening Building (STB)	320	16-Jun-22 A	30-Mar-24	302	[Gantt bars for August, September, October, November, December]																			
DDA-1510	Plumbing and Drainage System Design for Sludge Thickening Building (STB)	320	07-Jul-22 A	30-Mar-24	302	[Gantt bars for August, September, October, November, December]																			
DDA-1500	Fire Services Design for Sludge Thickening Building (STB)	320	08-Jul-22 A	30-Mar-24	302	[Gantt bars for August, September, October, November, December]																			
DDA-1150	Building Services for STCDS - Prepare (60d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	126	24-Oct-22 A	30-Mar-24	887	[Gantt bars for August, September, October, November, December]																			
<b>Package 7 - CLP Substation and 11kV Switchgear House</b>																									
DDA-490	BS for CLP Sub. & 11kV Switchgear Hse - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	01-Jun-21 A	30-Sep-23	-40	[Gantt bars for August, September, October, November, December]																			
DDA-480	UPS System for CLPSub.&11kV Switchgear Hse - Prepare (102d), Sub. & Review.(45d),Comment & Resub.(14d)&Approval (7d)	168	03-Jun-21 A	30-Sep-23	-75	[Gantt bars for August, September, October, November, December]																			
DDA-1450	VCAB, FSD & WSD Design Report - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	78	02-Jul-21 A	30-Sep-23	-75	[Gantt bars for August, September, October, November, December]																			
<b>Package 9 - Inlet Work (IW)</b>																									
DDA-1190	Mechanical for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	120	09-Aug-21 A	30-Sep-23	-24	[Gantt bars for August, September, October, November, December]																			
DDA-1200	Electrical & Control for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	120	30-Oct-21 A	30-Sep-23	-74	[Gantt bars for August, September, October, November, December]																			
DDA-1210	Building Services for Inlet Work - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	76	30-Mar-22 A	30-Sep-23	-74	[Gantt bars for August, September, October, November, December]																			
<b>Package 10 - Primary Sedimentation Tank (PST)</b>																									
DDA-1240	Mechanical for PST - Prepare (46d), Sub. & Review.(30d) ,Comment & Resub.(14d) & Approval (7d)	120	01-Jun-21 A	01-Oct-23	733	[Gantt bars for August, September, October, November, December]																			
DDA-1250	Electrical & Control for PST - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	48	31-Aug-21 A	01-Oct-23	733	[Gantt bars for August, September, October, November, December]																			
DDA-1260	Building Services for PST - Prepare (28d), Sub. & Review.(28d) ,Comment & Resub.(14d) & Approval (7d)	90	01-Oct-21 A	01-Oct-23	733	[Gantt bars for August, September, October, November, December]																			
<b>Package 11 - Control and Monitoring System</b>																									
DDA-580	Power Quality & Energy Management System (PQEMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	130	02-Oct-21 A	01-Oct-23	-22	[Gantt bars for August, September, October, November, December]																			
DDA-550	Supervisory Control&Data Application (SCADA) System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	238	24-Apr-23 A	25-Dec-23	315	[Gantt bars for August, September, October, November, December]																			
DDA-1270	Gas Detection System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	91	08-May-23 A	01-Oct-23	315	[Gantt bars for August, September, October, November, December]																			
DDA-560	Computerised Maintenance Mangement System (CMMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	457	02-Oct-23	31-Dec-24	23	[Gantt bars for August, September, October, November, December]																			
DDA-570	Information and Document mangement System (IDMS) - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	457	02-Oct-23	31-Dec-24	23	[Gantt bars for August, September, October, November, December]																			
DDA-1280	Data Collection, Management, Analysis, & Model System - Prep(28d), Sub.&Review(28d), Comment&Resub (14d) & Approval (7d)	457	02-Oct-23	31-Dec-24	23	[Gantt bars for August, September, October, November, December]																			
<b>Package 12 - Chemical System for STB</b>																									
DDA-650	Chemical System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	181	01-Sep-23	28-Feb-24	293	[Gantt bars for August, September, October, November, December]																			
<b>Package 13 - Pipework System</b>																									
DDA-660	Pipeworks System for Sludge Thickening Building (STB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Sep-23	04-Jan-24	382	[Gantt bars for August, September, October, November, December]																			
DDA-1030	Pipeworks System for Sludge Digesters - Prep(60d),Sub.&Review(45d),Comment&Resub (14d) &Approval (7d)	126	01-Sep-23	04-Jan-24	75	[Gantt bars for August, September, October, November, December]																			
<b>Package 14 - Sludge Anaerobic Digestion System (SDT)</b>																									
DDA-1320	Electrical & Control for SDT & UC/PP - Prepare (55d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	460	02-Jul-21 A	30-Mar-24	-11	[Gantt bars for August, September, October, November, December]																			
DDA-1310	Mechanical for SDT & UC/PP - Prepare (47d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	460	10-Jul-21 A	31-Oct-23	140	[Gantt bars for August, September, October, November, December]																			
DDA-1340	Civil Req. Drawing for UC/PP - Prepare (47d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	580	10-Jul-21 A	31-Oct-23	-11	[Gantt bars for August, September, October, November, December]																			
DDA-1330	Building Services for SDT & UC/PP - Prepare (56d), Sub. & Review.(45d) ,Comment & Resub.(14d) & Approval (7d)	181	02-Oct-23	30-Mar-24	-11	[Gantt bars for August, September, October, November, December]																			
<b>Package 15 - Biogas H2S Removal, Storage and Delivery System</b>																									
DDA-1350	Civil Req. Drawing for Biogas Storage&Delivery System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	31-Aug-21 A	09-Sep-23	-157	[Gantt bars for August, September, October, November, December]																			
DDA-1370	Mechanical for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	05-Oct-21 A	16-Oct-23	-36	[Gantt bars for August, September, October, November, December]																			
DDA-1400	Civil Req. Drawing for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	07-Dec-21 A	16-Oct-23	-52	[Gantt bars for August, September, October, November, December]																			
DDA-1390	Building Services for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	137	31-May-23 A	30-Dec-23	-36	[Gantt bars for August, September, October, November, December]																			
DDA-1380	Electrical & Control for Biogas H2S Removal System - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	105	17-Sep-23	30-Dec-23	-52	[Gantt bars for August, September, October, November, December]																			
<b>Package 16 - Deodorization Unit System</b>																									
DDA-1420	Mechanical for DOU No. 1 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	78	04-Mar-22 A	01-Oct-23	55	[Gantt bars for August, September, October, November, December]																			
DDA-1440	Mechanical for DOU No. 3 - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	300	17-Jul-22 A	04-Nov-23	446	[Gantt bars for August, September, October, November, December]																			
DDA-1430	Mechanical for DOU No. 2A and 2B - Prepare(28d),Sub& Review(28d),Comment&Resub(14d)&Approval (7d)	95	01-Sep-23	04-Dec-23	416	[Gantt bars for August, September, October, November, December]																			



- Remaining Level of Eff.
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August 34					September 35				October 36				November 37				December 38		
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
<b>Package 17 - Sludge Dewatering Building (SDB)</b>																									
DDA-920	Fire Services System for SDB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	332	01-Oct-23	27-Aug-24	-74																				
DDA-930	Mechanical for Sludge Dewatering Building (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7d)	424	01-Oct-23	27-Nov-24	534																				
DDA-940	Plumbing System for Sludge Dewatering Bldg (SDB) - Prep(60d), Sub.&Review(45d), Comment&Resub(14d) & Approval (7d)	424	01-Oct-23	27-Nov-24	534																				
DDA-950	BS for Sludge Dewatering Building (SDB) - Prep(118d), Sub.&Review(45d), Comment&Resub (14d) & Approval (7c)	424	01-Oct-23	27-Nov-24	-74																				
<b>Package 20 - Trellis</b>																									
DDA-720	Civil & Structural for Trellis - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	207	01-Sep-23	25-Mar-24	703																				
<b>Package 21 - Steel Working Platform</b>																									
DDA-730	Civil & Structural for Steel Working Platform - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	102	18-Nov-23	27-Feb-24	730																				
<b>Package 22 - Sampling System of YLEPP</b>																									
DDA-740	Sampling System for IW&PST - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	62	07-Jul-23 A	01-Nov-23	-44																				
DDA-1630	Sampling System for STB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	128	02-Oct-23	06-Feb-24	-11																				
DDA-1610	Sampling System for AGS&TB - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	127	25-Nov-23	30-Mar-24	-11																				
DDA-1620	Sampling System for SDT - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	127	25-Nov-23	30-Mar-24	-11																				
<b>Package 23 - Security, Public Address and Communication System</b>																									
DDA-750	SPC sitewide ACS - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	98	21-Jun-23 A	06-Nov-23	-23																				
<b>Design out of ATAL's Scope</b>																									
DDA-1540	Drainage systems at base slab / foundation levels - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Sep-23	04-Jan-24	406																				
DDA-1560	Street fire hydrant system - Prep(60d), Sub.&Review(45d), Comment&Resub (14d) & Approval(7d)	126	01-Sep-23	04-Jan-24	372																				
<b>Technical Submission</b>																									
<b>Factory Acceptance Test Plans</b>																									
SUBM-1110	Submit/review/approval Factory Acceptance Test Plans - Disc filter system	120	01-Sep-23	29-Dec-23	121																				
SUBM-1130	Submit/review/approval Factory Acceptance Test Plans - SCADA system	120	01-Sep-23	29-Dec-23	-69																				
<b>Operation and Maintenance (O&amp;M) Manuals and Installation Manuals (PS 34.20(11)(12)(13))</b>																									
<b>Inlet Works and Primary Sedimentation Tank</b>																									
SUBM-1070	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	05-Jan-23 A	22-Sep-23	-57																				
SUBM-1200	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	23-Sep-23	21-Nov-23	-10																				
<b>AGS and TTS system</b>																									
SUBM-1220	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Sep-23	21-Nov-23	226																				
SUBM-1230	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Nov-23	20-Jan-24	694																				
<b>Sludge Thickening System</b>																									
SUBM-1250	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Sep-23	21-Nov-23	664																				
SUBM-1260	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Nov-23	20-Jan-24	664																				
<b>Sludge Digestion System</b>																									
SUBM-1310	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Sep-23	21-Nov-23	-57																				
SUBM-1320	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Nov-23	20-Jan-24	255																				
<b>Biogas H2S Removal System</b>																									
SUBM-1280	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	23-Sep-23	21-Nov-23	-57																				
SUBM-1290	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - revised draft	60	22-Nov-23	20-Jan-24	926																				
<b>Deodorization System</b>																									
SUBM-1340	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	22-Nov-23	20-Jan-24	-57																				
<b>Plant Service Water System</b>																									
SUBM-1370	Submit/review/approval Operation and Maintenance (O&M) Manuals and Installation Manuals - 1st draft	60	22-Nov-23	20-Jan-24	866																				
<b>Commissioning Plan and Procedures (PS34.20(10))</b>																									
SUBM-1080	Employment of HOKLAS laboratory for commissioning test	60	23-May-22 A	20-Oct-23	-68																				
SUBM-1000	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of IW	120	21-Oct-23	17-Feb-24	-26																				
SUBM-1010	Submit/review/approval Commissioning Plan and Procedures - Early commissioning of PST	120	21-Oct-23	17-Feb-24	-68																				
SUBM-1020	Submit/review/approval Commissioning Plan and Procedures - AGS	120	21-Oct-23	17-Feb-24	176																				
SUBM-1030	Submit/review/approval Commissioning Plan and Procedures - TTS	120	21-Oct-23	17-Feb-24	591																				
SUBM-1040	Submit/review/approval Commissioning Plan and Procedures - STB	120	21-Oct-23	17-Feb-24	636																				
SUBM-1050	Submit/review/approval Commissioning Plan and Procedures - SDT	120	21-Oct-23	17-Feb-24	227																				
SUBM-1060	Submit/review/approval Commissioning Plan and Procedures - Biogas system	120	21-Oct-23	17-Feb-24	-4																				
<b>Material Submission, Procurement, Manufacturing and Delivery</b>																									
<b>Inlet Works</b>																									
PRE-210	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Screening system (fixed bar,coarse,fine)	300	16-Mar-21 A	20-Sep-23	18																				
PRE-700	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Inlet pumps (HF,LF,Drainage)	330	05-Jan-22 A	20-Sep-23	34																				
PRE-290	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Grit Trap and classifier	270	18-Feb-22 A	13-Apr-24	-145																				



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Date	Revision	Checked	Approved
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August				September				October				November				December
						34				35				36				37				38
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19
PRE-280	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Conveyer and compactor	270	12-Apr-22 A	13-Apr-24	-132																	
PRE-330	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - DOU-01	330	26-May-22 A	15-Nov-23	-8															Submit/Procure/Manufacture		
PRE-300	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - LALG	270	28-Jul-22 A	02-Apr-24	-175																	
PRE-310	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - Penstocks and stoplogs	270	13-Sep-22 A	02-Apr-24	-182																	
PRE-320	Submit/Procure/Manufacture/Deliver New Inlet Works Equip. - MVAC-Ventilation Fan	211	10-Jan-23 A	02-Apr-24	-170																	
<b>Primary Sedimentation Tanks</b>																						
PRE-390	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs	270	13-Aug-22 A	18-Sep-23	67															Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Penstocks and stoplogs		
PRE-340	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Bottom scraper	255	08-Sep-22 A	31-Dec-23	-14																	
PRE-350	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower	255	27-Sep-22 A	30-Nov-23	-11															Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - IPS air scouring blower		
PRE-360	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Scum pump and skimmer	255	29-Sep-22 A	30-Dec-23	-38																	
PRE-370	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder	255	29-Sep-22 A	30-Nov-23	-8															Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Primary sludge pump and grinder		
PRE-400	Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves	194	15-Oct-22 A	30-Nov-23	-11															Submit/Procure/Manufacture/Deliver New Primary Sedimentation Tank Equip. - Pipeworks and valves		
<b>Biogas Holder</b>																						
PRE-270	Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)	660	09-Jun-21 A	19-Sep-23	-36															Submit/Procure/Manufacture/Deliver Biogas Holding Tanks (membrane, steel tank and parts, instrumentation)		
PRE-410	Submit/Procure/Manufacture/Deliver Waster Gas Burner	300	19-Aug-21 A	20-Oct-26	-84																	
PRE-420	Submit/Procure/Manufacture/Deliver H2S Removal System	510	25-Feb-22 A	28-Jun-25	50																	
PRE-430	Submit/Procure/Manufacture/Deliver Biogas booster and transfer pumps	613	01-Sep-23*	05-May-25	122																	
<b>Sludge Digester Tank</b>																						
PRE-750	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Flame Arresters	100	31-Oct-22 A	20-Jul-24	-123																	
PRE-780	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Mixing System and Heat Exchanger for Sludge Anaerobic Digester	420	22-Dec-22 A	30-Dec-23	170																	
PRE-720	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Inspection Windows for Sludge Anaerobic System	365	18-Jan-23 A	20-Feb-24	118																	
PRE-730	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Gas Take Off Dome for Sludge Anaerobic Digestion System	365	18-Jan-23 A	20-Feb-24	118																	
PRE-710	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Pressure and Vacuum Relief Valves	300	01-Mar-23 A	28-Dec-23	83																	
PRE-740	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Telescopic Valve for Sludge Anaerobic Digestion System	179	10-Jul-23 A	26-Feb-24	83																	
PRE-760	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Dosing Pump	148	01-Sep-23	26-Jan-24	83																	
PRE-770	Submit/Procure/Manufacture/Deliver Sludge Digester Tank - Ferric Chloride Transfer Pump	148	01-Sep-23	26-Jan-24	83																	
<b>Sludge Thickening Building</b>																						
PRE-250	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Thickening Centrifuges	360	12-Nov-21 A	22-Apr-24	273																	
PRE-500	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Pump and jet mixer	300	07-Jan-22 A	22-Apr-24	273																	
PRE-510	Submit/Procure/Manufacture/Deliver Sludge Thickening System - LALG	256	28-Mar-23 A	22-Apr-24	94																	
PRE-480	Submit/Procure/Manufacture/Deliver Sludge Thickening System - Polymer preparation system	388	12-Apr-23 A	29-Jun-24	171																	
PRE-490	Submit/Procure/Manufacture/Deliver Sludge Thickening System - DOU-03	264	07-Jul-23 A	15-Oct-24	94																	
PRE-520	Submit/Procure/Manufacture/Deliver Sludge Thickening System - MVAC	339	09-Sep-23*	12-Aug-24	161																	
<b>Mainstream Bio-Reactor</b>																						
PRE-230	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - AGS system	480	09-Sep-22 A	03-Jul-24	39																	
PRE-530	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Penstocks and stoplogs	345	31-Oct-22 A	11-Nov-24	39																	
PRE-550	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Sludge pre-thickening system	510	31-Oct-22 A	03-Jul-24	113																	
PRE-540	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Chemical storage and dosing system	270	18-Nov-22 A	03-Jul-24	39																	
PRE-570	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - Instrumentation	241	06-Nov-23*	03-Jul-24	154																	
PRE-580	Submit/Procure/Manufacture/Deliver Main Stream Bio-Reactor E&M Equip. - MVAC	241	06-Nov-23*	03-Jul-24	39																	
<b>Tertiary Treatment System</b>																						
PRE-610	Submit/Procure/Manufacture/Deliver TTS Equip. - Pumping system	495	19-Jul-22 A	05-Jul-24	121																	
PRE-600	Submit/Procure/Manufacture/Deliver TTS Equip. - UV disinfection system	510	08-Sep-22 A	05-Jul-24	121																	
PRE-240	Submit/Procure/Manufacture/Deliver TTS Equip. - Disc Filter	600	27-Sep-22 A	05-Jul-24	121																	
PRE-590	Submit/Procure/Manufacture/Deliver TTS Equip. - Chemical cleaning system	480	18-Nov-22 A	05-Jul-24	121																	
PRE-630	Submit/Procure/Manufacture/Deliver TTS Equip. - Penstocks and stoplogs	435	30-Nov-22 A	05-Jul-24	121																	
PRE-620	Submit/Procure/Manufacture/Deliver TTS Equip. - LALG	151	27-Mar-23 A	05-Jul-24	121																	
PRE-690	Submit/Procure/Manufacture/Deliver TTS Equip. - DOU-02	503	01-Sep-23*	15-Jan-25	-73																	
<b>Electrical and Control System</b>																						
PRE-680	Submit/Procure/Manufacture/Deliver Electrical and Control System - SCADA and instrumentation	420	30-Apr-22 A	31-Jan-24	-69																	
PRE-640	Submit/Procure/Manufacture/Deliver Electrical and Control System - HVSB and Tx	283	21-Dec-22 A	02-Feb-24	-86																	
PRE-650	Submit/Procure/Manufacture/Deliver Electrical and Control System - LVSB	300	21-Dec-22 A	31-Jan-24	-88																	
PRE-660	Submit/Procure/Manufacture/Deliver Electrical and Control System - UPS	300	21-Dec-22 A	04-Jan-24	-87																	
PRE-670	Submit/Procure/Manufacture/Deliver Electrical and Control System - Armoured Cable	203	21-Dec-22 A	31-Jan-24	74																	
<b>Site Establishment Works</b>																						
<b>Portion 5 - Walkway</b>																						
P5-100	Portion 5 - Initial Survey and Record, Underground Utilities Detection	12	12-Jun-23 A	14-Sep-23	730															Portion 5 - Initial Survey and Record, Underground Utilities Detection		



- Remaining Level of Effort
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Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August 34				September 35				October 36				November 37				December 38			
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
						Gantt Chart Area																			
P5-110	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities	12	12-Jun-23 A	14-Sep-23	730	Portion 5 - Installation of Water Barriers, Clearance, Haul Road and Temp Facilities																			
<b>Statutory Submission &amp; Approval</b>																									
<b>FSI, FSD and OP Requirements</b>																									
<b>FSI Submission &amp; Approval</b>																									
FSD-1200	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - Rtc & 3rd submission	120	30-May-23 A	25-Dec-23	-161	[Red bar]																			
FSD-1210	Submission/Review/Approval by PM and FSD - Full GBP+GBP for TOP1 with DG - Rtc & 4th submission	120	26-Nov-23	24-Mar-24	-161	[Red bar]																			
<b>WSD Submission &amp; Approval</b>																									
WSD-1000	WSD - Submit Form WWO542	0		31-Aug-23	-111	◆ WSD - Submit Form WWO542																			
WSD-1010	WSD - Form WWO542 PM&WSD review and approval	90	01-Sep-23	29-Nov-23	-111	[Red bar]																			
WSD-1020	WSD - Submit Form WWO46 Part 1 and 2	0		29-Nov-23	-111	◆ WSD - Su																			
<b>EMSD Submission &amp; Approval</b>																									
<b>Biogas System (ATAL)</b>																									
<b>Phase 1</b>																									
ATAL-FS-0020	Form 105 for Biogas Holder Tank 1(Submission and Approval Period)	184	08-Nov-22 A	19-Dec-23	89	[Green bar]																			
<b>EPD Submission &amp; Approval for VEP</b>																									
EPD-1000	EPD - VEP Review, prepare and submit to PM	60	24-May-23 A	29-Sep-23	122	[Green bar]																			
EPD-1010	EPD - VEP Rtc to PM and approval	7	30-Sep-23	06-Oct-23	122	[Green bar]																			
EPD-1050	EPD - VEP consultation with HKBW	28	30-Sep-23	27-Oct-23	136	[Green bar]																			
EPD-1020	EPD - VEP Submission to DSD and EPD	28	07-Oct-23	03-Nov-23	122	[Green bar]																			
EPD-1030	EPD - VEP Rtc to DSD and EPD	7	04-Nov-23	10-Nov-23	122	[Green bar]																			
EPD-1060	EPD - VEP Gazette	28	11-Nov-23	08-Dec-23	122	[Green bar]																			
<b>HAZOP Study</b>																									
<b>AGS System</b>																									
HAZOP-Z2-030	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>TTS System</b>																									
HAZOP-Z2-50	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>Biogas H2S Removal System</b>																									
HAZOP-Z3-030	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>Sludge Thickening and Chemical System</b>																									
HAZOP-Z3-50	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>Sludge Digestion System</b>																									
HAZOP-Z3-80	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>DOU and PSW System</b>																									
HAZOP-Z3-110	HAZOP - Obtain Approval	7	24-Jul-23 A	31-Jul-23 A		HAZOP - Obtain Approval																			
<b>General Advance Works</b>																									
<b>NSWSPS Sensors</b>																									
ATALGA-1330	NSWSPS Sensor - Decommissioning	3	01-Sep-23	04-Sep-23	186	[Green bar]																			
<b>Dissolved Air Flotation (DAF) Pilot Plant</b>																									
ATALGA-1220	Post-commissioning	128	20-May-23 A	07-Dec-23	198	[Green bar]																			
<b>Aerobic Granular Sludge (AGS) Pilot Plant</b>																									
ATALGA-1270	Post-commissioning	128	20-May-23 A	07-Dec-23	198	[Green bar]																			
<b>Zone 1 Construction</b>																									
<b>Inlet Works (IW)</b>																									
<b>IW Foundation &amp; ELS Works</b>																									
<b>IW Basement</b>																									
<b>IW Excavation Works &amp; ELS</b>																									
<b>IW Zone A/D- ELS</b>																									
Z1-IW-5830	IW- Strutting: 4th Layer @-2.88mPD with preload (10 welders @ 23ton/d)	10	17-Aug-23 A	21-Sep-23	-197	[Red bar]																			
Z1-IW-5840	IW- Excavation to Formation -3.38 ~-7.525mPD (4,001m3) (3-4 excavators @ 500m3/d) *MD	7	22-Sep-23	29-Sep-23	-197	[Red bar]																			
<b>Modification of Zone A/D Strut</b>																									
Z1-IW-6430	IW(A/D) - Design amendment subm. for modify S1&2 (prep=30d,ICE=14d,ICE Rtc=14d,PM=14d,PM Rtc=14d)	86	21-Mar-23 A	29-Sep-23	-106	[Red bar]																			
Z1-IW-6440	IW(A/D) - Method statement subm. for modify S1&2 (prep=30d,1st Rtc=14d)	44	16-Aug-23 A	29-Sep-23	-106	[Red bar]																			
Z1-IW-6400	IW- Strutting: Modify S1 and S2 strut and preload	14	14-Oct-23	31-Oct-23	-116	[Red bar]																			
Z1-IW-6410	IW- Strutting: Remove backprop at PST	7	01-Nov-23	08-Nov-23	-56	[Red bar]																			
<b>IW Zone C - ELS</b>																									
Z1-IW-6420	IW- Concrete Backing & Preload (3rd Layer)	4	13-Jul-23 A	14-Jul-23 A		[Red bar]																			
Z1-IW-5710	IW- Excavation to Formation -1.625~-3.125mPD (587m3) (2 excavators @ 120m3/d) *MD	6	17-Jul-23 A	12-Aug-23 A		[Red bar]																			
<b>IW Base Slab</b>																									



- Remaining Level of Ef...
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

Project ID : DWPr29\_230919  
 Layout : DC201910 MPR34-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Aug-23	Rev. 0		



Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August 34					September 35				October 36				November 37				December 38		
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
Z1-IW-6060	IW- Zone D - Pile Cap @-3.225mPD	24	15-Jul-23 A	31-Aug-23 A		IW- Zone D - Pile Cap @-3.225mPD																			
Z1-IW-6080	IW- Zone C - Pile Cap @-3.05mPD	18	14-Aug-23 A	28-Aug-23 A		IW- Zone C - Pile Cap @-3.05mPD																			
Z1-IW-6630	IW- Remove part of strut S3 (RC1-3, R2-3, RC3-3), trim sheetpile and break mass concrete for base slab construction	10	01-Sep-23	12-Sep-23	-116	IW- Remove part of strut S3 (RC1-3, R2-3, RC3-3), trim sheetpile and break mass concrete for base slab construction																			
Z1-IW-6610	IW- Zone D - Pile Cap @-1.65 (GL9-10 upper portion)	12	13-Sep-23	26-Sep-23	-116	IW- Zone D - Pile Cap @-1.65 (GL9-10 upper portion)																			
Z1-IW-6620	IW- Zone D - Pile Cap @-1.65 (GL4-5 upper portion)	12	20-Sep-23	05-Oct-23	-95	IW- Zone D - Pile Cap @-1.65 (GL4-5 upper portion)																			
Z1-IW-6090	IW- Zone A - Pile Cap @-7.525mPD, -6.525mPD, -5.525mPD	24	03-Oct-23	31-Oct-23	-197	IW- Zone A - Pile Cap @-7.525mPD, -6.525mPD, -5.525mPD																			
Z1-IW-6100	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (1st pour) and modify strut S4	16	30-Oct-23	16-Nov-23	-197	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (1st pour) and modify strut S4																			
Z1-IW-6350	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (2nd pour) and remove part strut S4	14	15-Nov-23	30-Nov-23	-197	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (2nd pour) and remove part strut S4																			
Z1-IW-6360	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (3rd pour)	12	29-Nov-23	12-Dec-23	-197	IW- Zone A/D - Pile Cap @-1.65/-1.55mPD (3rd pour)																			
<b>IW Basement RC Works</b>																									
<b>IW Zone C</b>																									
Z1-IW-6290	IW(C) - Zone C1 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in	24	10-Jul-23 A	19-Sep-23	-140	IW(C) - Zone C1 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in																			
Z1-IW-6330	IW(C) - Zone C1 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	26	22-Aug-23 A	21-Sep-23	-140	IW(C) - Zone C1 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)																			
Z1-IW-6590	IW(C) - Zone C2 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in	22	01-Sep-23	26-Sep-23	-146	IW(C) - Zone C2 - Wall & Column Erection of Formworks and RC Works (+6.00 mPD) strut cast-in																			
Z1-IW-6600	IW(C) - Zone C2 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)	12	27-Sep-23	12-Oct-23	-146	IW(C) - Zone C2 - G/F Slab of Falseworks, Formworks and RC Works (+6.00 mPD)																			
<b>IW Zone D early for PST early commissioning *</b>																									
Z1-IW-6450	IW(D) - Wall Erection of Formworks and RC Works (-1.6 to +4.95mPD)	13	27-Sep-23	13-Oct-23	-116	IW(D) - Wall Erection of Formworks and RC Works (-1.6 to +4.95mPD)																			
Z1-IW-6460	IW(D) - G/F Slab of Falseworks, Formworks and RC Works (+3.95/+4.95 mPD)	13	01-Nov-23	15-Nov-23	-116	IW(D) - G/F Slab of Falseworks, Formworks and RC Works (+3.95/+4.95 mPD)																			
<b>IW Civil and Structural Works</b>																									
<b>IW Superstructure</b>																									
<b>RC Works</b>																									
<b>Zone C</b>																									
Z1-IW-4140	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C1	10	22-Sep-23	05-Oct-23	-140	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C1																			
Z1-IW-4170	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C2	8	13-Oct-23	21-Oct-23	-146	IWS (C) - Wall Erection of Formworks and RC Works (+11.8mPD) Zone C2																			
Z1-IW-4180	IWS (C) - 1/F Slab of Falseworks, Formworks and RC Works (+11.8/+12.8mPD)	13	21-Oct-23	06-Nov-23	-146	IWS (C) - 1/F Slab of Falseworks, Formworks and RC Works (+11.8/+12.8mPD)																			
Z1-IW-4220	IWS (C) - Wall Erection of Formworks and RC Works (+18.2mPD)	8	07-Nov-23	15-Nov-23	-146	IWS (C) - Wall Erection of Formworks and RC Works (+18.2mPD)																			
Z1-IW-4230	IWS (C) - Roof Slab of Falseworks, Formworks and RC Works (+18.2mPD)	13	16-Nov-23	30-Nov-23	-146	IWS (C) - Roof Slab of Falseworks, Formworks and RC Works (+18.2mPD)																			
Z1-IW-4150	IWS (C) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.48/+8.2mPD) late cast with Zone D	13	25-Nov-23	09-Dec-23	-116	IWS (C) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.48/+8.2mPD) late cast with Zone D																			
<b>Zone D</b>																									
Z1-IW-6520	IWS (D) - Wall Erection of Formworks and RC Works (+7.84/+8.2mPD)	8	16-Nov-23	24-Nov-23	-116	IWS (D) - Wall Erection of Formworks and RC Works (+7.84/+8.2mPD)																			
Z1-IW-6490	IWS (D) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.84/+8.2mPD)	13	25-Nov-23	09-Dec-23	-116	IWS (D) - Intermediate Slab of Falseworks, Formworks and RC Works(+7.84/+8.2mPD)																			
<b>IW ABWF Works</b>																									
<b>IW ABWF Works 1st fix for E&amp;M handover</b>																									
<b>IW ABWF Works -Zone C</b>																									
IW-3210	Inlet Work - ABWF Works 1st fix for DOU installation (+6.0/+11.8mPD)	8	07-Nov-23	15-Nov-23	-70	Inlet Work - ABWF Works 1st fix for DOU installation (+6.0/+11.8mPD)																			
<b>IW Transformer House No. 1</b>																									
IW-2930	TX House No. 1 - ELS Works and trim sheetpile	5	13-Oct-23	18-Oct-23	-90	TX House No. 1 - ELS Works and trim sheetpile																			
IW-2790	TX House No. 1 - Structure Base slab at +3.8 mPD to +4.8 mPD (incl. earth mat installation)	18	20-Oct-23	10-Nov-23	-90	TX House No. 1 - Structure Base slab at +3.8 mPD to +4.8 mPD (incl. earth mat installation)																			
IW-2800	TX House No. 1 - Structure cable trench from +4.8 mPD to +6.0 mPD	8	11-Nov-23	20-Nov-23	-90	TX House No. 1 - Structure cable trench from +4.8 mPD to +6.0 mPD																			
IW-2810	TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +9.0 mPD	6	21-Nov-23	27-Nov-23	-90	TX House No. 1 - Structure G/F to Roof from +6.0 mPD to +9.0 mPD																			
IW-2820	TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD	12	28-Nov-23	11-Dec-23	-90	TX House No. 1 - Structure G/F to Roof from +9.0 mPD to +11.6 mPD																			
<b>IW E&amp;M Works</b>																									
ATAL-1760	IW - E&M Handover @ +11.8mPD (Zone C)	0		15-Nov-23	-70	IW - E&M Handover @ +11.8mPD (Zone C)																			
<b>DOU-01 System - 01 *</b>																									
ATAL-1170	LALG Instalation	60	16-Nov-23	27-Jan-24	-70	LALG Instalation																			
<b>Primary Sedimentation Tank (PST)</b>																									
<b>PST Superstructure</b>																									
<b>Stage 1</b>																									
<b>RC Works</b>																									
<b>PST Stage 1 - GL A-E (PST channel and outlet channel)</b>																									
Z1-PST-3760	PST - RC Works for roof slab (GL A-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD	17	03-Jul-23 A	01-Aug-23 A		PST - RC Works for roof slab (GL A-E, +11.75 to +18.15mPD) falsework sit on +11.8mPD																			
<b>PST Stage 1 - GL H-I (Pump room and inlet channel) *</b>																									
Z1-PST-4632	PST - RC Works for Wall (GL H-I, +2.95 to +7.835mPD)	8	16-Nov-23	24-Nov-23	-62	PST - RC Works for Wall (GL H-I, +2.95 to +7.835mPD)																			
Z1-PST-4642	PST - RC Works for Intermediate Slab (GL H-I, +7.835mPD)	13	25-Nov-23	09-Dec-23	-62	PST - RC Works for Intermediate Slab (GL H-I, +7.835mPD)																			
<b>Water Tightness Test for PST</b>																									
Z1-PST-3770	PST - Water Tightness Test 1 (PST1)(water height=5.5m, bulkhead=2d, fill=12d, absorption=7d, test=7d, remove=3d)	31	30-Jun-23 A	16-Sep-23	-39	PST - Water Tightness Test 1 (PST1)(water height=5.5m, bulkhead=2d, fill=12d, absorption=7d, test=7d, remove=3d)																			
Z1-PST-4822	PST - Strike formwork and make good for water tightness test (PST2&3)	14	30-Jun-23 A	27-Jul-23 A		PST - Strike formwork and make good for water tightness test (PST2&3)																			
Z1-PST-3780	PST - Water Tightness Test 2 (PST3)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)	23	28-Jul-23 A	20-Sep-23	-56	PST - Water Tightness Test 2 (PST3)(water height=5.5m, bulkhead=2d, fill=4d, absorption=7d, test=7d, remove=3d)																			



- Remaining Level of Eff...
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

Project ID : DWPr29\_230919  
Layout : DC201910 MPR34-3MRP  
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Monthly Progress Report - 3MRP			
Date	Revision	Checked	Approved
31-Aug-23	Rev. 0		





Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August 34					September 35				October 36				November 37				December 38		
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03	
						Gantt Chart Area																			
CLP-1610	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - mock-up installation	14	01-Jun-23 A	06-Sep-23	873	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - mock-up installation																			
CLP-1620	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - mock-up inspection and approval	1	07-Sep-23	07-Sep-23	873	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - mock-up inspection and approval																			
CLP-1590	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - fabrication	60	08-Sep-23	20-Nov-23	873	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - fabrication																			
CLP-1600	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - installation	75	20-Sep-23	19-Dec-23	873	CLP Substation No.1 & 2 & DSD11KV Switchgear - GRC cladding - installation																			
<b>Sludge Dewatering Building (SDB)</b>																									
<b>SDB Foundation &amp; ELS - Stage 1</b>																									
<b>SDB Preliminaries for Foundation Works</b>																									
<b>Submission and Advanced Works for Early Piling</b>																									
SDB-1750	Prepare/submit/review/approve scheme with PM for early access for piling - resubmission	7	03-Jul-23 A	17-Jul-23 A		review/approve scheme with PM for early access for piling - resubmission																			
SDB-1760	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission	12	10-Jul-23 A	24-Jul-23 A		Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - 1st submission																			
SDB-1720	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - 1st submission	12	17-Jul-23 A	31-Jul-23 A		Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - 1st submission																			
SDB-1770	Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission	7	24-Jul-23 A	31-Jul-23 A		Prepare/submit/review/approve scheme with DSD/ST1 for early access for piling - resubmission																			
SDB-1730	UU & road diversion for early access for piling	29	25-Jul-23 A	16-Sep-23	-95	UU & road diversion for early access for piling																			
SDB-1780	Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - resubmission	7	01-Aug-23 A	31-Aug-23 A		Prepare/submit/review/approve method statement of UU & road diversion for early access for piling - resubmission																			
<b>SDB GI - Pre-drilling Works</b>																									
<b>SDB At PST4 and Existing Road</b>																									
SDB-1010	SDB-PD10	12	06-Jul-23 A	21-Jul-23 A		SDB-PD10																			
SDB-1040	SDB-PD20	12	24-Jul-23 A	02-Aug-23 A		SDB-PD20																			
SDB-1350	SDB-PD4 w/ obstruction (PST4)	12	01-Sep-23	14-Sep-23	158	SDB-PD4 w/ obstruction (PST4)																			
SDB-1030	SDB-PD22	12	01-Sep-23	14-Sep-23	248	SDB-PD22																			
SDB-1360	SDB-PD5 w/ obstruction (PST4)	12	15-Sep-23	28-Sep-23	158	SDB-PD5 w/ obstruction (PST4)																			
SDB-1290	SDB-PD7	12	15-Sep-23	28-Sep-23	248	SDB-PD7																			
<b>SDB Foundation - PST 1-4 Footprint</b>																									
SDB-1700	SDB - Driven H-piles (20 nos., 1,162m @48m/d/rig, 1rig) early start along access road	26	26-Sep-23	28-Oct-23	171	SDB - Driven H-piles (20 nos., 1,162m @48m/d/rig)																			
<b>Administration Building (ADB)</b>																									
<b>ADB Foundation Works</b>																									
<b>ADB Early Access for Pre-drilling</b>																									
ADB-1360	ADB - Pre-drill (AB-PD3) (outside existing building footprint)	12	04-Aug-23 A	21-Aug-23 A		ADB - Pre-drill (AB-PD3) (outside existing building footprint)																			
ADB-1410	ADB - Pre-drill (AB-PD11) (outside existing building footprint)	12	24-Aug-23 A	09-Sep-23	1252	ADB - Pre-drill (AB-PD11) (outside existing building footprint)																			
ADB-1400	ADB - Pre-drill (AB-PD8) (outside existing building footprint)	12	01-Sep-23	14-Sep-23	1248	ADB - Pre-drill (AB-PD8) (outside existing building footprint)																			
<b>Zone 2 Construction</b>																									
<b>Mainstream Bio-Reactor &amp; Auxiliary Facility (MBR and AF)</b>																									
<b>MBR and AF Structure</b>																									
<b>MBR - ELS Excavation &amp; Demolition stage 1</b>																									
<b>Pipe Pile</b>																									
<b>Northern Side</b>																									
<b>Installation of 813mm casing</b>																									
MBRAF-2410	813 Casing Installation (North)(P416-P438, 23nos.@ 1no./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)	23	07-Jul-23 A	31-Jul-23 A		813 Casing Installation (North)(P416-P438, 23nos.@ 1no./day/rig, 1 rig) (after 1800dia. outfall pipe diversion)																			
MBRAF-2100	Closing of 813mm pipe pile (South, East and North Sides)(10nos.)	30	09-Nov-23	13-Dec-23	-138	Closing of 813mm pipe pile (South, East and North Sides)(10nos.)																			
<b>Western Side</b>																									
<b>Installation of 813mm casing</b>																									
MBRAF-2290	813 Casing Installation (West)(P315-P339, 25nos@1.2nos./day/rig, 1rig) after CLP11KV diversion	21	03-Aug-23 A	22-Aug-23 A		813 Casing Installation (West)(P315-P339, 25nos@1.2nos./day/rig, 1rig) after CLP11KV diversion																			
MBRAF-2280	Closing of 813mm pipe pile (West)(4nos.)	12	03-Oct-23*	16-Oct-23	-89	Closing of 813mm pipe pile (West)(4nos.)																			
<b>MBR - ELS Excavation &amp; Demolition stage 2</b>																									
<b>MBR - ELS Zone A</b>																									
<b>Kingpost and Working Platform</b>																									
MBRAF-2970	MBR - Installation of king post by preboring (KP25) (1no., 2d/pile, 1rig)(affected by 1800dia diversion) for ELS	2	03-Aug-23 A	12-Aug-23 A		MBR - Installation of king post by preboring (KP25) (1no., 2d/pile, 1rig)(affected by 1800dia diversion) for ELS																			
MBRAF-2990	MBR - Kingpost for steel deck - loading test (ground prep=3d;blinding=1d;setup=3d;test=4d;demob=3d)	14	31-Aug-23 A	19-Sep-23	-177	MBR - Kingpost for steel deck - loading test (ground prep=3d;blinding=1d;setup=3d;test=4d;demob=3d)																			
MBRAF-3470	MBR - Zone A - Installation of king post by preboring (IKP16)(affected by A-tank) for steel deck	4	20-Sep-23	23-Sep-23	-135	MBR - Zone A - Installation of king post by preboring (IKP16)(affected by A-tank) for steel deck																			
<b>Excavation and Demolition</b>																									
MBRAF-1460	MBR - Zone A - Monitoring and pumping installation (Stage 1a) (20nos., 1.5nos./d/rig, 2rigs)	7	01-Sep-23	08-Sep-23	-59	MBR - Zone A - Monitoring and pumping installation (Stage 1a) (20nos., 1.5nos./d/rig, 2rigs)																			
MBRAF-1610	MBR - Zone A - ELS open cut excavation (+5.8 to +4.2mPD) (5520m3) (3 excavators/WF, 2WFs, 400m3/d/WF)	7	20-Sep-23	27-Sep-23	-177	MBR - Zone A - ELS open cut excavation (+5.8 to +4.2mPD) (5520m3) (3 excavators/WF, 2WFs, 400m3/d/WF)																			
MBRAF-1630	MBR - Zone A - ELS open cut excavation (+4.2 to +0.5mPD) (4550m3) (3 excavators/WF, 2WFs, 400m3/d/WF)	12	28-Sep-23	13-Oct-23	-177	MBR - Zone A - ELS open cut excavation (+4.2 to +0.5mPD) (4550m3) (3 excavators/WF, 2WFs, 400m3/d/WF)																			
MBRAF-3420	MBR - Zone A - Demolition of A-tank by breaker (1300m2)	14	14-Oct-23	31-Oct-23	-177	MBR - Zone A - Demolition of A-tank by breaker (1300m2)																			
MBRAF-3410	MBR - Zone A - Backfill -0.3 to +1.75mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)	7	01-Nov-23	08-Nov-23	-177	MBR - Zone A - Backfill -0.3 to +1.75mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)																			
MBRAF-1620	MBR - Zone A - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	09-Nov-23	22-Nov-23	-177	MBR - Zone A - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																			
MBRAF-2490	MBR - Zone A - Installation of steel deck	18	16-Nov-23	06-Dec-23	-177	MBR - Zone A - Installation of steel deck																			
MBRAF-1635	MBR - Zone A - ELS Excavate +4.2 to +1.75mPD (3-4 excavators, 500m3/d)	6	23-Nov-23	29-Nov-23	-171	MBR - Zone A - ELS Excavate +4.2 to +1.75mPD (3-4 excavators, 500m3/d)																			



- Remaining Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆ Milestone

## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

### Monthly Progress Report No. 34 - 3MRP (Aug 2023)

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#### Monthly Progress Report - 3MRP

Date	Revision	Checked	Approved
31-Aug-23	Rev. 0		

Activity ID	Activity Name	Orig Dur	Early Start	Early Finish	Total Float	August					September				October				November				December	
						34					35				36				37				38	
						30	06	13	20	27	03	10	17	24	01	08	15	22	29	05	12	19	26	03
<b>MBR - ELS Zone B</b>																								
<b>Kingpost and Working Platform</b>																								
MBRAF-3350	MBR - Installation of king post by preboring (IKP23-26) (4nos., 2d/pile, 1rig) for steel deck	8	21-Jul-23 A	28-Aug-23 A		MBR - Installation of king post by preboring (IKP23-26) (4nos., 2d/pile, 1rig) for steel deck																		
<b>Excavation</b>																								
MBRAF-3430	MBR - Zone B - Site clearance for excavation	4	29-Aug-23 A	12-Sep-23	-151	MBR - Zone B - Site clearance for excavation																		
MBRAF-3020	MBR - Zone B - ELS Excavation (+5.8 to +4.2mPD) (3750m3) (3-4 excavators, 400m3/d)	10	13-Sep-23	23-Sep-23	-151	MBR - Zone B - ELS Excavation (+5.8 to +4.2mPD) (3750m3) (3-4 excavators, 400m3/d)																		
MBRAF-3040	MBR - Zone B - ELS open cut excavation (+4.2 to +0.5mPD) (2313m3) (3-4 excavators, 500m3/d)	5	25-Sep-23	29-Sep-23	-151	MBR - Zone B - ELS open cut excavation (+4.2 to +0.5mPD) (2313m3) (3-4 excavators, 500m3/d)																		
MBRAF-3440	MBR - Zone B - Demolition of A-tank by breaker	12	03-Oct-23	16-Oct-23	-151	MBR - Zone B - Demolition of A-tank by breaker																		
MBRAF-3450	MBR - Zone B - Backfill -0.3 to +1.75mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)	7	17-Oct-23	25-Oct-23	-151	MBR - Zone B - Backfill -0.3 to +1.75mPD for S1, S2 and monitoring & pumping installation (300mm/layer/d)																		
MBRAF-3030	MBR - Zone B - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	10	26-Oct-23	06-Nov-23	-151	MBR - Zone B - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																		
MBRAF-3370	MBR - Zone B - Monitoring and pumping installation (Stage 1b) (16nos., 1.5nos./d/ri, 1rig)	11	26-Oct-23	07-Nov-23	-107	MBR - Zone B - Monitoring and pumping installation (Stage 1b) (16nos., 1.5nos./d/ri, 1rig)																		
MBRAF-3050	MBR - Zone B - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	10	07-Nov-23	17-Nov-23	-151	MBR - Zone B - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)																		
MBRAF-3390	MBR - Zone B - Installation of steel deck	12	07-Nov-23	20-Nov-23	-151	MBR - Zone B - Installation of steel deck																		
<b>MBR - ELS Zone C</b>																								
<b>Kingpost and Working Platform</b>																								
MBRAF-2950	MBR - Installation of king post by preboring (KP10,14,11,27,28)(5nos., 2d/pile, 1rig)(affected by existing RAS) for ELS	10	18-Jul-23 A	07-Sep-23	1254	MBR - Installation of king post by preboring (KP10,14,11,27,28)(5nos., 2d/pile, 1rig)(affected by existing RAS) for ELS																		
MBRAF-2480	MBR - Installation of king post by preboring (IKP1-11) (11nos., 2d/pile, 1rig)(affected by existing RAS) for steel deck	22	24-Jul-23 A	23-Sep-23	-172	MBR - Installation of king post by preboring (IKP1-11) (11nos., 2d/pile, 1rig)(affected by existing RAS) for steel deck																		
MBRAF-2960	MBR - Installation of king post by preboring (KP23,24,28)(3nos., 2d/pile, 1rig) for ELS	6	31-Jul-23 A	07-Sep-23	1254	MBR - Installation of king post by preboring (KP23,24,28)(3nos., 2d/pile, 1rig) for ELS																		
<b>Excavation</b>																								
MBRAF-3380	MBR - Zone C - Monitoring and pumping installation (Stage 1c) (31nos., 1.5nos./d/ri, 2rigs)	11	25-Sep-23	09-Oct-23	-172	MBR - Zone C - Monitoring and pumping installation (Stage 1c) (31nos., 1.5nos./d/ri, 2rigs)																		
MBRAF-3130	MBR - Zone C - ELS Excavation & Demolition (+5.8 to +4.7mPD) (3840m3)(3-4 excavators, 500m3/d)	8	10-Oct-23	18-Oct-23	-172	MBR - Zone C - ELS Excavation & Demolition (+5.8 to +4.7mPD) (3840m3)(3-4 excavators, 500m3/d)																		
MBRAF-3140	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)	12	19-Oct-23	02-Nov-23	-172	MBR - Zone C - Strut Installation S1 (+5.25mPD)(1 crane, 10welders, 24ton/d)																		
MBRAF-2500	MBR - Zone C - Installation of steel deck	18	03-Nov-23	23-Nov-23	-172	MBR - Zone C - Installation of steel deck																		
MBRAF-3150	MBR - Zone C - ELS Excavation & Demolition(+4.7 to +1.75mPD) (5880m3) (3-4 excavators, 500m3/d)	14	24-Nov-23	09-Dec-23	-172	MBR - Zone C - ELS Excavation & Demolition(+4.7 to +1.75mPD) (5880m3) (3-4 excavators, 500m3/d)																		
MBRAF-3160	MBR - Zone C - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)	12	29-Nov-23	12-Dec-23	-172	MBR - Zone C - Strut Installation S2 (+2.3mPD)(1 crane, 10welders, 24ton/d)																		
<b>Tertiary Treatment System (TTS)</b>																								
<b>TTS Foundation and ELS</b>																								
<b>Kingpost and Working Platform</b>																								
TTS-1870	TTS - Kingpost installation (preboring method) (28nos.,2d/pile/ri,3rigs) for steel deck	28	04-Jul-23 A	10-Oct-23	-171	TTS - Kingpost installation (preboring method) (28nos.,2d/pile/ri,3rigs) for steel deck																		
TTS-2020	TTS - Backfill for kingpost after demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)	4	25-Jul-23 A	28-Jul-23 A		TTS - Backfill for kingpost after demolition of Mixed Liquor Distribution and Sludge Draw-off Chamber (37)																		
TTS-1990	TTS - Kingpost installation for steel deck - loading test	14	20-Sep-23	07-Oct-23	-169	TTS - Kingpost installation for steel deck - loading test																		
TTS-1880	TTS - Installation of steel deck	24	11-Oct-23	08-Nov-23	-171	TTS - Installation of steel deck																		
<b>Monitoring and Pumping</b>																								
TTS-2000	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/ri, 1rig) north portion	21	06-Jun-23 A	09-Sep-23	-143	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/ri, 1rig) north portion																		
TTS-1230	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/ri, 1rig) south portion	21	12-Jul-23 A	17-Oct-23	-167	TTS - Monitoring and pumping installation (29nos., 1.5nos./d/ri, 1rig) south portion																		
TTS-1850	TTS - Pumping test	7	18-Oct-23	26-Oct-23	-153	TTS - Pumping test																		
<b>TTS Foundation and ELS Stage 2</b>																								
TTS-1020	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) north	7	03-Aug-23 A	18-Oct-23	-168	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) north																		
TTS-2030	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) south	7	19-Oct-23	27-Oct-23	-168	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) south																		
TTS-1030	TTS - Strut Installation S1 (+4.15mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)	14	28-Oct-23	13-Nov-23	-168	TTS - Strut Installation S1 (+4.15mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)																		
TTS-2040	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) middle	7	09-Nov-23	16-Nov-23	-171	TTS - ELS Excavation (+5.0 to +3.65mPD) (2548m3)(3-4 excavators/WF,1 WF, 400m3/d/WF) middle																		
TTS-1040	TTS - ELS Excavation (+3.65 to +1.15mPD) (14,158m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF)	16	17-Nov-23	05-Dec-23	-171	TTS - ELS Excavation (+3.65 to +1.15mPD) (14,158m3)(3-4 excavators/WF, 2 WFs, 400m3/d/WF)																		
TTS-1050	TTS - Strut Installation S2 (+1.65mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)	18	23-Nov-23	13-Dec-23	-171	TTS - Strut Installation S2 (+1.65mPD)(2 cranes, 10welders per WF, 2 WFs, 30ton/d)																		
<b>Zone 3 Construction</b>																								
<b>Zone 3 North Portion (Z3N)</b>																								
<b>Demolition</b>																								
<b>Existing Sludge Thickening House (8, Air Floatation Thickener)</b>																								
Z3S2-2030b	Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile) by saw cut	11	12-Jul-23 A	12-Aug-23 A		Demolish Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile) by saw cut																		
Z3S2-2030d	Backfill & remove strut Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)	6	14-Aug-23 A	24-Aug-23 A		Backfill & remove strut Existing Sludge Thickening House pump pit (8) (affect Zone P2B piling & sheetpile)																		
<b>New Sludge Thickening Building (STB)</b>																								
<b>STB : Driven H-pile</b>																								
<b>Batch 2</b>																								
Z3S3-3950	STB - Site Setup & Mobilization for driven h-pile (Batch 2)	6	21-Aug-23 A	25-Aug-23 A		STB - Site Setup & Mobilization for driven h-pile (Batch 2)																		
Z3S3-3960	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig	8	26-Aug-23 A	19-Sep-23	-66	STB - Driven H-pile Zone P5 (remaining 6nos.) @40m/day, 1rig																		
Z3S3-3970	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig	7	28-Aug-23 A	19-Sep-23	-66	STB - Driven H-pile Zone P2B (remaining 4nos.) @40m/day, 1rig																		
Z3S3-5250	STB - Driven H-pile Zone P2B (2nos. additional piles (PMI204)) @40m/day, 1rig	3	20-Sep-23	22-Sep-23	-66	STB - Driven H-pile Zone P2B (2nos. additional piles (PMI204)) @40m/day, 1rig																		
Z3S3-3740	STB - Driven H-pile Plant Demobilization from Zone P5 and P2B	5	23-Sep-23	28-Sep-23	-66	STB - Driven H-pile Plant Demobilization from Zone P5 and P2B																		



- Remaining Level of Eff...
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- Remaining Work
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## Contract DC/2019/10 - YLEPP - Main Works for Stage 1

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