

HWRP Dilute Polymer System Improvement Baseline schedule



Activity ID	Activity Name	Original Duration	Start	Finish	2023	Qtr 3, 2023				Qtr 4, 2023			Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024		
					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
HWRP Dilute Polymer System Improvements Baseline					▼ 12-Nov-24																			
PROJECT MILESTONES					▼ 12-Nov-24																			
MS0010	Notice to Proceed (NTP)	0	22-May-23*		▶ Notice to Proceed (NTP), 22-May-23*																			
MS0030	Project Final Completion	0		12-Nov-24*	◆ Project S ◆ Project F																			
ENGINEERING					▼ 30-Jun-23, ENGINEERING																			
SUBMISSION					▼ 09-Jun-23, SUBMISSION																			
ENG.SUB-004	Submit 4" Control Valves for polymer blending units	1	22-May-23	22-May-23	Submit 4" Control Valves for polymer blending units																			
ENG.SUB-005	Submit 6" Control Valves for progressive cavity pumps	1	22-May-23	22-May-23	Submit 6" Control Valves for progressive cavity pumps																			
ENG.SUB-006	Submit Lead Abatement certifications and work plan	1	22-May-23	22-May-23	Submit Lead Abatement certifications and work plan																			
ENG.SUB-007	Submit demolition plan for Tank Storage Facility	1	22-May-23	22-May-23	Submit demolition plan for Tank Storage Facility																			
ENG.SUB-008	Submittal remaining pre-construction documents	1	22-May-23	22-May-23	Submittal remaining pre-construction documents																			
ENG.SUB-050	Remaining mechanical submittals, piping, fittings, etc.	1	22-May-23	22-May-23	Remaining mechanical submittals, piping, fittings, etc.																			
REVIEW & APPROVAL					▼ 30-Jun-23, REVIEW & APPROVAL																			
ENG.RA-016	Review/approve Lead Abatement certifications and work	10	23-May-23	02-Jun-23	Review/approve Lead Abatement certifications and work plan																			
ENG.RA-017	Review/approve demolition plan for Tank Storage Facility	10	23-May-23	02-Jun-23	Review/approve demolition plan for Tank Storage Facility																			
ENG.RA-018	Review/approve remaining pre-construction documents	10	23-May-23	02-Jun-23	Review/approve remaining pre-construction documents																			
ENG.RA-015	Review/approve inlet control valves for polymer blending	24	23-May-23	16-Jun-23	Review/approve inlet control valves for polymer blending units and distribution pumps																			
ENG.RA-011	Review/approve Prominent Fluid Controls sole/sourced p	23	01-Jun-23	23-Jun-23	Review/approve Prominent Fluid Controls sole/sourced polymer blending units																			
ENG.RA-021	Review remaining mechanical submittals, piping, fittings,	31	23-May-23	23-Jun-23	[Redacted]																			
ENG.RA-012	Review/approve progressive cavity pumps	28	03-Jun-23	30-Jun-23	[Redacted]																			
ENG.RA-013	Review/approve Neat Polymer FRP Storage Tank	28	03-Jun-23	30-Jun-23	[Redacted]																			
ENG.RA-014	Review/approve Dilute Polymer FRP Storage Tank	28	03-Jun-23	30-Jun-23	Review/approve Dilute Polymer FRP Storage Tank																			
ENG.RA-019	Review/approve axial flow impeller mixer	28	03-Jun-23	30-Jun-23	[Redacted]																			
ENG.RA-020	Review Electrical submittals, including sole-sourced varia	21	10-Jun-23	30-Jun-23	[Redacted]																			
PROCUREMENT					▼ 16-Aug-23, PROCUREMENT																			
Fabrication/Delivery					▼ 16-Aug-23, Fabrication/Delivery																			
PROC022	Produce Prominent Fluid Controls sole/sourced polymer	48	24-Jun-23	11-Aug-23	[Redacted]																			
PROC023	Produce progressive cavity pumps	41	01-Jul-23	11-Aug-23	[Redacted]																			
PROC024	Produce Neat Polymer FRP Storage Tank	41	01-Jul-23	11-Aug-23	[Redacted]																			
PROC025	Produce Dilute Polymer FRP Storage Tank	26	17-Jul-23	11-Aug-23	[Redacted]																			
PROC026	Produce axial flow impeller mixer	41	01-Jul-23	11-Aug-23	[Redacted]																			
PROC027	Produce variable frequency drives	46	01-Jul-23	16-Aug-23	[Redacted]																			
CONSTRUCTION					▼ 12-Nov-24																			
CHEMICAL FEEDING AND STORAGE TANKS					▼ 29-Mar-24, CHEMICAL FEEDING AND STORAGE TANKS																			
DEMOLITIONS					▼ 16-Aug-23, DEMOLITIONS																			
CH.DEM-0001	Removal of Level Switches, Pressure Guages, Instrumer	5	22-May-23	26-May-23	[Redacted]																			
CH.DEM-0003	Removal of 2 Carbon Canisters	8	30-May-23	08-Jun-23	[Redacted]																			
CH.DEM-0006	Isolation of Power from transfer pumps	8	09-Jun-23	20-Jun-23	[Redacted]																			
CH.DEM-0007	Removal of polymer transfer pump/motor	6	21-Jun-23	28-Jun-23	[Redacted]																			
CH.DEM-0008	Removal of existing polymer storage tank	10	29-Jun-23	13-Jul-23	[Redacted]																			

█ Actual Level of Effort
 █ Remaining Work
 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work
 ▼ summary

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					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
CH.DEM-0009	Removal of piping and associated material	10	14-Jul-23	27-Jul-23																	
CH.DEM-0020	Saw cutting anchors	4	28-Jul-23	02-Aug-23																	
CH.DEM-0060	Removal of Grating	7	03-Aug-23	11-Aug-23																	
CH.DEM-0070	Removal of Railing	1	14-Aug-23	14-Aug-23																	
CH.DEM-0080	Removal of Stair attached to beam	1	15-Aug-23	15-Aug-23																	
CH.DEM-0090	Scrapping off Embedded Plate	1	16-Aug-23	16-Aug-23																	
EXECUTION		152	17-Aug-23	29-Mar-24																	
CH.EXE-0100	Blasting and Coating Steel Beams and Channels	25	17-Aug-23	21-Sep-23																	
CH.EXE-0010	Installation of distribution pump pad formwork and reinfo	3	22-Sep-23	26-Sep-23																	
CH.EXE-0020	Make semi-permanent CPVC piping connections to east	3	27-Sep-23	29-Sep-23																	
CH.EXE-0030	Installation of 12" concrete slab steel reinforcement	1	02-Oct-23	02-Oct-23																	
CH.EXE-0040	Pouring 12" concrete slab	1	03-Oct-23	03-Oct-23																	
CH.EXE-0050	Installation of 6" Concrete pad formwork	1	04-Oct-23	04-Oct-23																	
CH.EXE-0060	Installation of 6" Concrete pad steel reinforcement	1	05-Oct-23	05-Oct-23																	
CH.EXE-0110	Blasting and Coating Ladder and attached steel membe	10	22-Sep-23	05-Oct-23																	
CH.EXE-0070	Pouring 6" Concrete pad	1	06-Oct-23	06-Oct-23																	
CH.EXE-0084	Blasting and coating of polymer storage tank pedestals	3	10-Oct-23	12-Oct-23																	
CH.EXE-0080	Blasting and Coating Base Conn. of existing pedestals	4	10-Oct-23	13-Oct-23																	
CH.EXE-0120	Installation of 2" deep FRP Grating on platforms	5	06-Oct-23	13-Oct-23																	
CH.EXE-0130	Installation of Railing at platforms	10	16-Oct-23	27-Oct-23																	
CH.EXE-0210	Installation of 1 FRP dilute polymer mix/holding tank	5	02-Jan-24	08-Jan-24																	
CH.EXE-0260	Installation of 3 dilute polymer transfer pumps	5	09-Jan-24	16-Jan-24																	
CH.EXE-0270	Installation of 3 Rockwell Automation Allen Bradely VFD	5	17-Jan-24	23-Jan-24																	
CH.EXE-0280	Installation of 2 Fill Stations and Associated piping	5	24-Jan-24	30-Jan-24																	
CH.EXE-0290	Installation of piping and valves above elevation 29.50	15	31-Jan-24	22-Feb-24																	
CH.EXE-0300	Installation of Level switches, pressure guages, instrume	8	23-Feb-24	05-Mar-24																	
CH.EXE-0310	Installation of Electrical Wire, conduits and appurtenance	10	06-Mar-24	19-Mar-24																	
CH.EXE-0320	Reconnect power to new LED lighting	1	20-Mar-24	20-Mar-24																	
CH.EXE-0330	Chemical Storage Commissioning	7	21-Mar-24	29-Mar-24																	
BIOSOLIDS DEWATERING FACILITY		157	02-Apr-24	12-Nov-24																	
PHASE 1		47	02-Apr-24	06-Jun-24																	
DEMOLITIONS		13	02-Apr-24	18-Apr-24																	



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					Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
EXECUTION																	06-Jun-24, EXECUTION						
																	<ul style="list-style-type: none"> Install epoxy coating on first neat transfer pump pad Construct new concrete pad for first neat transfer pump Install first heat transfer pump and its piping connections 						
																	<ul style="list-style-type: none"> Functional testing of easterly blending units at Biosolids Dewatering P 						
BS.EXE-0020	Make semi-permanent piping connections to easterly ble	5	24-Apr-24	30-Apr-24																			
BS.EXE-0030	Install tie-in no. 5 at existing 10" HPE line	3	01-May-24	03-May-24																			
BS.EXE-0040	Installation of 2 Carbon Canisters and associated suppo	3	06-May-24	08-May-24																			
BS.EXE-0050	Install new 3"-HPE-WCD piping and valves to the extent	8	09-May-24	20-May-24																			
BS.EXE-0060	Make permanent electrical connections to easterly blend	3	21-May-24	23-May-24																			
BS.EXE-0070	Install manual and HPE control valves for easterly blendi	2	24-May-24	28-May-24																			
BS.EXE-0130	Biosolids Phase 1 Commissioning	7	29-May-24	06-Jun-24																			
PHASE 2																	12-Nov-24						
DEMOLITIONS																	08-Jul-24, DEMOLITIONS						
EXECUTION																	12-Nov-24						
BS.EXE-0250	Remove and replace two roof hatches at the concrete pr	3	09-Jul-24	11-Jul-24													<ul style="list-style-type: none"> Remove and replace two roof hatches at the c 						
BS.EXE-0260	Repair roof covering at the concrete polymer storage tan	4	09-Jul-24	12-Jul-24													<ul style="list-style-type: none"> Repair roof covering at the concrete polymer s 						
BS.EXE-0270	Remove and replace two odor control carbon cannisters	10	09-Jul-24	22-Jul-24													<ul style="list-style-type: none"> Remove and replace two odor control carb 						
BS.EXE-0280	Epoxy repairs to interior and exterior surfaces of concrete	5	23-Jul-24	29-Jul-24													<ul style="list-style-type: none"> Epoxy repairs to interior and exterior surf 						
BS.EXE-0140	Place new westerly blending units. Raise unit off floor for	3	30-Jul-24	01-Aug-24													<ul style="list-style-type: none"> Place new westerly blending units off flo 						
BS.EXE-0150	Make semi-permanent piping connections to westerly blk	5	02-Aug-24	08-Aug-24													<ul style="list-style-type: none"> M 						
BS.EXE-0160	Complete new 3"-HPE-WCD piping and valves to all four	5	09-Aug-24	15-Aug-24													<ul style="list-style-type: none"> C 						
BS.EXE-0275	Epoxy repairs to interior and exterior surfaces of concrete	20	23-Jul-24	19-Aug-24													<ul style="list-style-type: none"> Epoxy repairs to interior and exterior 						
BS.EXE-0170	Complete new 10-inch and other CPVC piping and valve	15	16-Aug-24	05-Sep-24													<ul style="list-style-type: none"> Complete new 10-inch and o 						
BS.EXE-0180	Install manual and HPE control valves for westerly blendi	2	06-Sep-24	09-Sep-24													<ul style="list-style-type: none"> I 						
BS.EXE-0190	Construct new concrete pad for the second neat transfer	7	10-Sep-24	18-Sep-24													<ul style="list-style-type: none"> C 						
BS.EXE-0200	Install epoxy coating on second neat transfer pump pad	2	19-Sep-24	20-Sep-24													<ul style="list-style-type: none"> I 						
BS.EXE-0210	Install second neat transfer pump and its piping connect	3	23-Sep-24	25-Sep-24													<ul style="list-style-type: none"> I 						
BS.EXE-0220	Re-connect electrical power to westerly blending units	3	26-Sep-24	30-Sep-24													<ul style="list-style-type: none"> R 						

SAMPLE

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