

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 1-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
1-Nov-24	C1	Sunny	11:18	<0.5	Surface	24.0	24.0	7.6	7.6	0.09	0.09	36.4	36.4	3.1	3.1	9.8	9.8	4	5
						24.0		7.6		0.09		36.3		3.1		9.8			
	M1	Sunny	11:32	<0.5	Surface	23.9	23.9	7.5	7.5	0.11	0.11	56.9	56.7	4.8	4.8	8.3	8.3	5	6
						23.9		7.5		0.11		56.5		4.8		8.3			

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 11.8 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 12.8 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 5.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 5.9 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 4-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
4-Nov-24	C1	Fine	11:35	<0.5	Surface	24.7	24.7	7.5	7.5	0.09	0.09	62.0	62.0	5.1	5.1	2.6	2.6	<2	<2
						24.7		7.5		0.09		61.9		5.1		2.6			
	M1	Fine	11:49	<0.5	Surface	24.1	24.1	7.5	7.5	0.11	0.11	65.3	65.2	5.5	5.5	5.9	5.9	3	3
						24.1		7.5		0.11		65.1		5.5		6.0			

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 3.2 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 3.4 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 7-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
7-Nov-24	C1	Sunny	10:30	<0.5	Surface	23.2	23.2	7.1	7.1	0.09	0.09	45.7	45.7	3.9	3.9	5.0	5.0	2	2
						23.2		7.1		0.09		45.6		3.9		5.0		2	
	M1	Sunny	10:43	<0.5	Surface	22.6	22.6	7.3	7.3	0.11	0.11	60.4	60.4	5.2	5.2	6.3	6.2	4	4
						22.6		7.3		0.11		60.3		5.2		6.1		4	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
Action Level	Control	3.8
Limit Level	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
Action Level	Control Station	17.2 6.0 (120% of Control Station)
Limit Level	Control Station	17.7 6.5 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
Action Level	Control Station	25.0 2.4 (120% of Control Station)
Limit Level	Control Station	26.0 2.6 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 9-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
9-Nov-24	C1	Cloudy	10:31	<0.5	Surface	22.4	22.4	7.0	7.0	0.09	0.09	51.7	51.7	4.5	4.5	3.7	3.7	<2	<2
						22.4		7.0		0.09		51.6		4.5		3.7		<2	
	M1	Cloudy	10:45	<0.5	Surface	22.0	22.0	7.3	7.3	0.11	0.11	57.0	57.0	5.0	5.0	3.9	3.9	3	3
						22.0		7.3		0.11		57.0		5.0		4.0		3	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
Action Level	Control	3.8
Limit Level	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
Action Level	Control Station	17.2 4.5 (120% of Control Station)
Limit Level	Control Station	17.7 4.8 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
Action Level	Control Station	25.0 2.4 (120% of Control Station)
Limit Level	Control Station	26.0 2.6 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 11-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)		
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value
11-Nov-24	C1	Cloudy	11:38	<0.5	Surface	24.5	24.5	7.5	7.5	0.09	0.09	69.1	69.0	5.8	5.8	2.6	2.6	2.6	<2	<2
						24.5		7.5		0.09		68.9		5.8		2.5				
						23.5	23.5	7.8	7.8	0.11	0.11	60.0	60.0	5.1	5.1	8.9	9.2	9	9	
	23.5	7.8	0.11	60.0	5.1	9.5		8												

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control Station	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2
		3.1 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7
	Station	3.3 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0
		2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0
	Station	2.6 (130% of Control Station)

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
3. If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 13-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
13-Nov-24	C1	Cloudy	7:47	<0.5	Surface	23.6	23.6	7.5	7.5	0.09	0.09	47.1	47.0	4.0	4.0	4.9	4.9	2	3
						23.6		7.5		0.09		46.9		4.0		4.9			
						23.5	23.5	7.5	7.5	0.11	0.11	55.2	55.2	4.7	4.7	3.4	3.4	2	2
	23.5	7.5	0.11	55.1	4.7	3.4		2											

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control Station	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2
		5.9 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7
	Station	6.4 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0
		3 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0
	Station	3.3 (130% of Control Station)

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
3. If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 15-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
15-Nov-24	C1	Rainy	11:22	<0.5	Surface	24.1	24.1	7.9	7.9	0.10	0.10	84.4	84.4	7.1	7.1	1.2	1.2	2	2
						24.1		7.9		0.10		84.3		7.1		1.2			
	M1	Rainy	11:38	<0.5	Surface	24.3	24.3	7.8	7.8	0.09	0.09	82.7	82.7	6.9	6.9	11.4	11.7	14	15
						24.3		7.8		0.09		82.7		6.9		12.1		15	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 1.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 1.6 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
3. If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 18-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
18-Nov-24	C1	Cloudy	10:59	<0.5	Surface	24.2	24.2	7.4	7.4	0.11	0.11	47.5	47.5	4.0	4.0	2.1	2.2	<2	<2
						24.2		7.4		0.11		47.4		4.0		2.2			
	M1	Cloudy	11:18	<0.5	Surface	23.8	23.8	7.5	7.5	0.14	0.14	64.4	64.3	5.4	5.4	3.9	3.8	7	7
						23.8		7.5		0.14		64.1		5.4		3.7		6	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 2.6 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 2.8 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

1. For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
2. For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
3. If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 20-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
20-Nov-24	C1	Rainy	10:58	<0.5	Surface	20.0	20.0	7.8	7.7	0.06	0.06	96.0	96.0	8.7	8.7	10.4	10.5	8	9
						20.0		7.7		0.06		96.0		8.7		10.6			
	M1	Rainy	11:17	<0.5	Surface	19.7	19.7	7.7	7.7	0.06	0.06	95.9	95.9	8.8	8.8	9.3	9.3	10	11
						19.7		7.7		0.06		95.9		8.8		9.3			

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
Action Level	Control	3.8
Limit Level	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
Action Level	Control Station	17.2 12.6 (120% of Control Station)
Limit Level	Control Station	17.7 13.6 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
Action Level	Control Station	25.0 10.2 (120% of Control Station)
Limit Level	Control Station	26.0 11.1 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 23-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
23-Nov-24	C1	Cloudy	7:57	<0.5	Surface	20.3	20.3	7.6	7.6	0.12	0.12	70.9	70.8	6.4	6.4	2.4	2.4	3	3
						20.2		7.6		0.12		70.6		6.4		2.5			
	M1	Cloudy	8:12	<0.5	Surface	20.1	20.1	7.6	7.6	0.13	0.13	77.3	77.3	7.0	7.0	1.4	1.4	3	3
						20.1		7.6		0.13		77.2		7.0		1.4			

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
Action Level	Control	3.8
Limit Level	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
Action Level	Control Station	17.2 2.9 (120% of Control Station)
Limit Level	Control Station	17.7 3.1 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
Action Level	Control Station	25.0 3.6 (120% of Control Station)
Limit Level	Control Station	26.0 3.9 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 25-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
25-Nov-24	C1	Cloudy	11:25	<0.5	Surface	21.3	21.3	7.4	7.4	0.13	0.13	70.4	70.3	6.2	6.2	2.0	2.1	<2	<2
						21.3		7.3		0.13		70.2		6.2		2.2			
	M1	Cloudy	11:41	<0.5	Surface	20.9	20.9	7.6	7.6	0.14	0.14	74.8	74.8	6.7	6.7	2.6	2.5	4	4
						20.9		7.6		0.14		74.7		6.7		2.5		4	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 2.5 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 2.7 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring Results on 27-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
27-Nov-24	C1	Sunny	11:08	<0.5	Surface	19.5	19.5	7.2	7.2	0.12	0.12	61.2	61.1	5.6	5.6	4.6	4.6	<2	<2
						19.5		7.2		0.12		60.9		5.6		4.6			
	M1	Sunny	11:25	<0.5	Surface	19.0	19.0	7.4	7.4	0.13	0.13	69.7	69.7	6.5	6.5	4.2	4.1	4	4
						19.0		7.4		0.13		69.7		6.5		4.0		4	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control	3.8
<i>Limit Level</i>	Station	3.7

Turbidity (NTU)

Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 5.5 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 6.0 (130% of Control Station)

Suspended Solid (mg/L)

SS (mg/L) (See Note 2&3)	C1	M1*
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.

Water Quality Monitoring for Hung Shui Kiu Effluent Polishing Plant Phase 1

Water Quality Monitoring Results on 29-Nov-2024

Date	Station	Weather Condition	Sampling Time	Water Depth (m)	Level	Water Temperature (°C)		pH		Salinity (NTU)		DO Saturation (%)		DO (mg/L)		Turbidity (NTU)		SS (mg/L)	
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
29-Nov-24	C1	Sunny	7:53	<0.5	Surface	17.1	17.1	7.3	7.3	0.13	0.13	60.7	60.6	5.9	5.8	5.0	5.0	<2	<2
						17.1		7.3		0.13		60.4		5.8		5.0			
	M1	Sunny	8:10	<0.5	Surface	16.8	16.8	7.4	7.4	0.14	0.14	64.2	64.1	6.2	6.2	3.2	3.2	3	3
						16.8		7.4		0.14		64.0		6.2		3.3		3	

Remarks:

* ***Bold Italic*** means Action Level exceedance

** ***Bold Italic with underline*** means Limit Level exceedance

Dissolved Oxygen (mg/L)

DO (mg/L) (See Note 1)	C1	M1
<i>Action Level</i>	Control Station	3.8
<i>Limit Level</i>	Control Station	3.7

Turbidity (NTU)

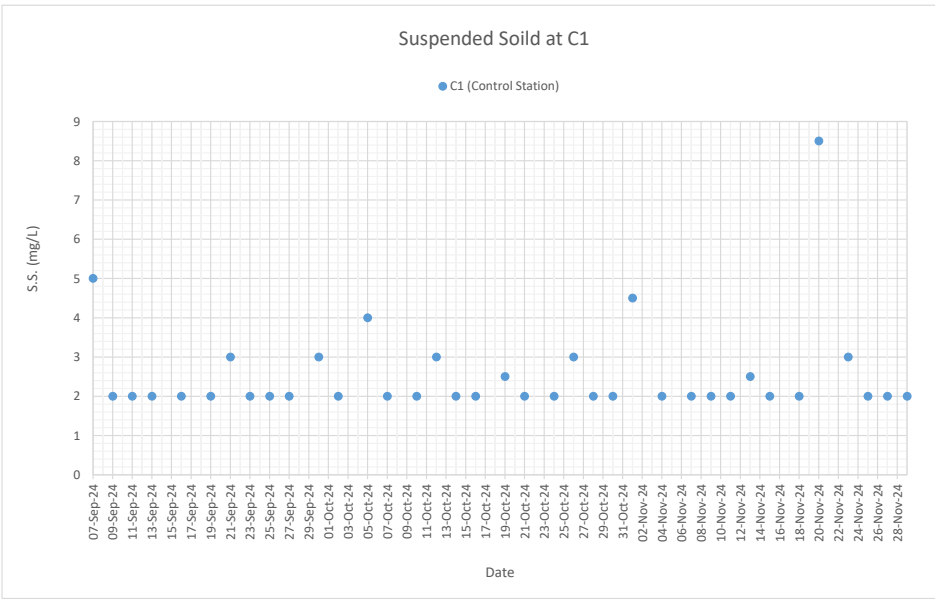
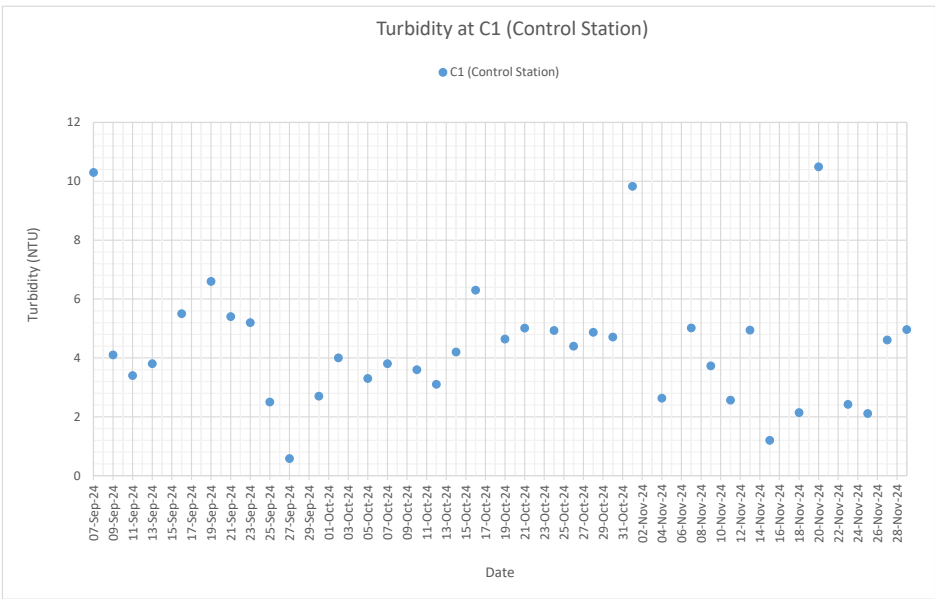
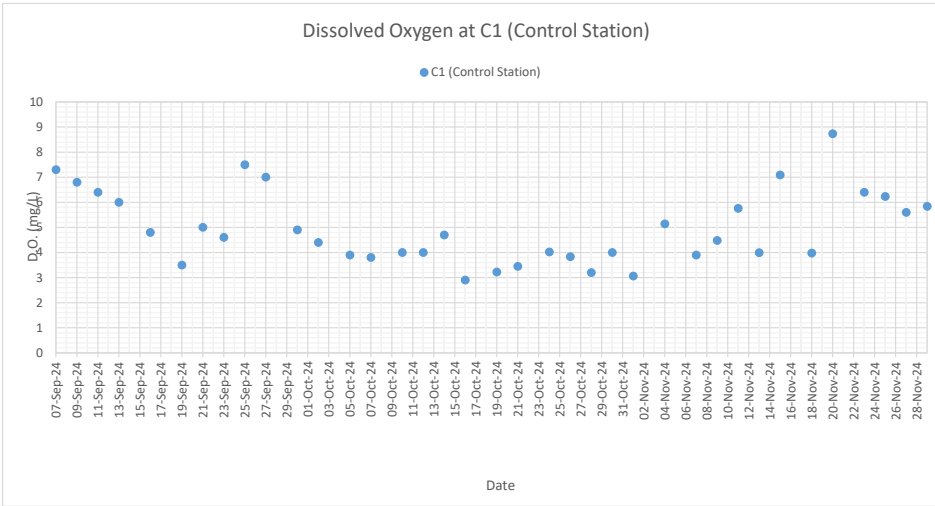
Turbidity (NTU) (See Note 2)	C1	M1
<i>Action Level</i>	Control Station	17.2 6.0 (120% of Control Station)
<i>Limit Level</i>	Control Station	17.7 6.4 (130% of Control Station)

Suspended Solid (mg/L)

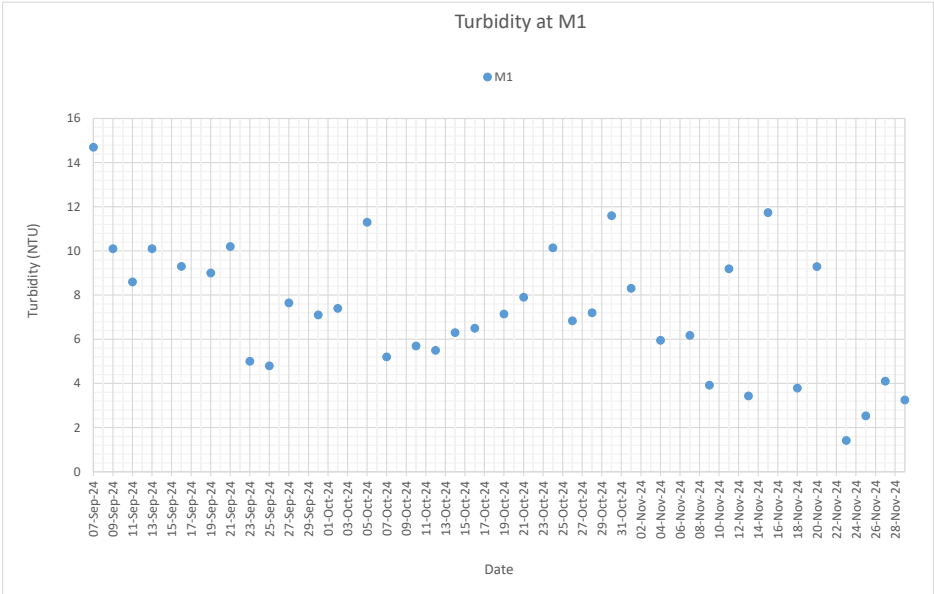
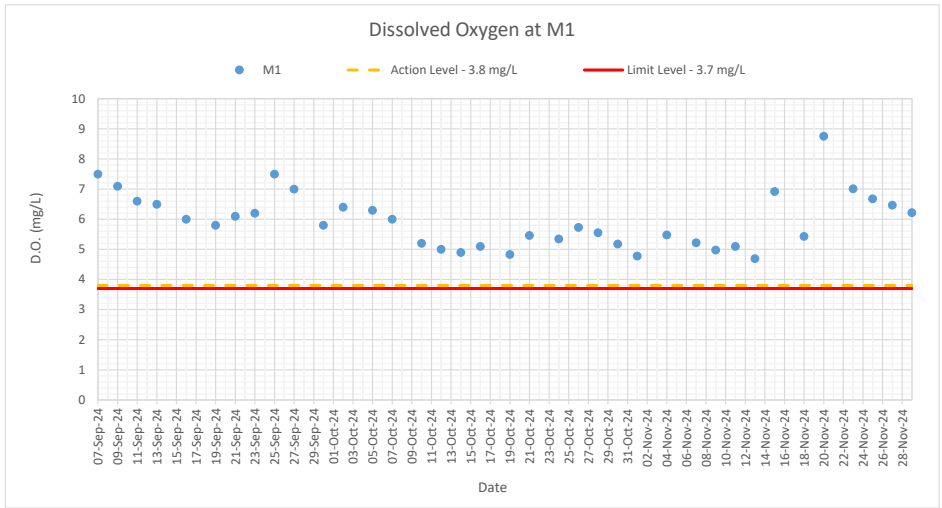
SS (mg/L) (See Note 2&3)	C1	M1
<i>Action Level</i>	Control Station	25.0 2.4 (120% of Control Station)
<i>Limit Level</i>	Control Station	26.0 2.6 (130% of Control Station)

Notes:

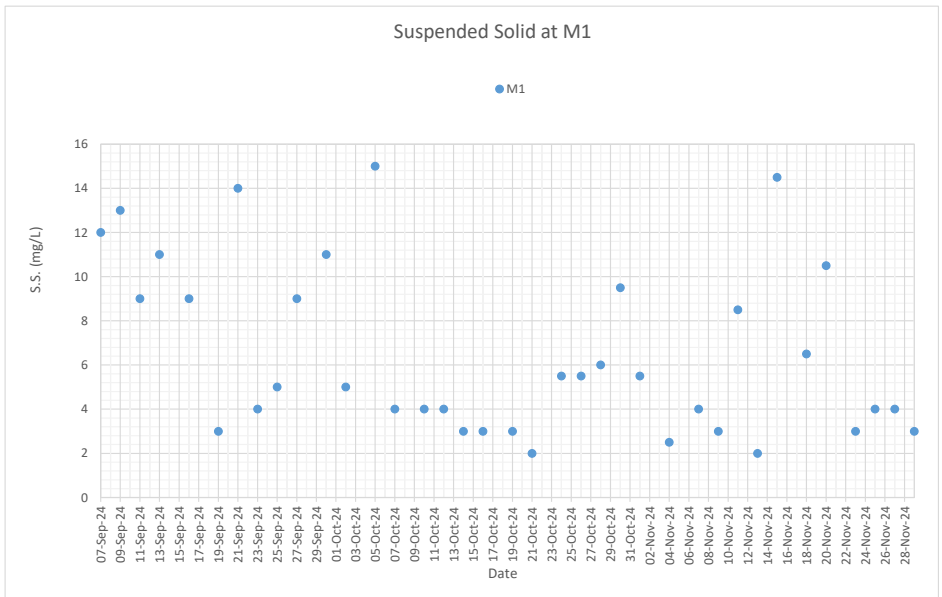
- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of the water quality occurs when monitoring results is higher than the limits.
- If the lab result of SS concentration at control station was less than 2 mg/L, 2 mg/L would be assumed as the SS concentration for calculating the action and limit levels based on the control station as a conservative approach.



Note: The suspended solids measured on 9, 11, 13, 19, 23, and 27 Sep 2024 are less than 2 mg/L.
 The suspended solids measured on 2, 7, 14, 21 and 30 Oct 2024 are less than 2 mg/L.
 The suspended solids measured on 4, 9, 11, 18, 25, 27 and 29 Nov 2024 are less than 2 mg/L.



Note: The Action and Limit Level of turbidity can be referred to Table 3.4 of the monthly EM&A report.



Note: The Action and Limit Level of Suspended Solid can be referred to Table 3.4 of the monthly EM&A report.
The suspended solids measured on 21 Oct 2024 are less than 2 mg/L.