

Investigation Report for Exceedances of Limit Levels of Water Quality Monitoring on 13 January 2024

Investigation was carried out in response to exceedances of limit levels during the water quality monitoring on 13 January 2024. The following table summarizes details of the exceedances.

Enviro	Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure							
Date	Station	Parameter (Unit)	Depth- averaged Measured Value	Action Level	Limit Level	Exceedance		Project Related
						AL	LL	(Y/N)
13/01	TKW	Suspended	13.0	7.0	7.1		~	Ν
	SW	Solids (SS) (mg/L)	36.5	8.8	10.5		✓	N

	 According to the information provided by the engineer representative (RE), the construction works carried out within the site area of Road D1 (Designated Project (DP)) on 13 January 2024 include: <u>Site 3-8 (Road D1) at Portion B7</u> Dewatering. Housekeeping. Prepare work for sand replacement test. Sorting for soil. Repair parts of band drain machine.
Construction activities carried out at and adjacent to Road D1	 The construction works carried out at adjoining non-DP works area on 13 January 2024 include: <u>Site 3-6 and Site 3-7 (Miss Chan) at Portion B2</u> Expose CLP cable for diversion at Kai Pak Ling Road by
during the investigation period:	 CLP. Dismantle formwork for berm concrete cube starting to CP- 3.7-05A CH0-10, 21-30.
	Site 3-6 (near Chun Tsuen) (Temporary Stockpile Area) at Portion <u>B1</u>
	• Diversion of CLP cable by CLP contractor for construction of u channel from Starting to CP-KP-02.
	Site 3-6 (Wing Hong) at Portion B2
	 General slectric work for blower of biopile. Camont solidification of basyy metal contaminated soil
	Cement solidification of heavy metal contaminated soil.Dismantle chain link fence for concreting temporary road.
	 Concreting temporary road for preparation SMH-DP-01.
	Site 3-7 (near gate B) at Portion A2
	• Fixing steel re-bar for capping beam construction from BP01



 to BP11. Bending of steel re-bar for Road L51 capping beam construction. 			
construction.			
• Relocation of Gate B.			
Site 3-7 and Site 3-8 at Portion B6			
No construction activity. <u>Site 3-7 and Site 3-8 (Kai Pak Ling Road) at Portion B6</u>			
		No construction activity.	
Site 3-8 (Box Culvert) at Portion B7			
No construction activity.			
Site 3-8 (Hung Wan) at Portion B7			
No construction activity.			
·			
As observed during the site inspections on 11 and 13 January 2024, the Contractor had implemented on-site measures to control site runoff from Site 3-8, Road D1 and Contaminated Soil Treatment Area, including sump, WetSep and portable pumps for emporary storage and treatment of surface water and site effluent. During dry season, construction effluent from Site 3-6 and Site 3-7 was collected and diverted to the WetSep on site. Treated effluent was stored and reused on site for fugitive dust control. No direct effluent discharge from these sites was recorded.			
No evidence was found to indicate that the exceedances on 13 January 2024 were affected by the site activities. The non- compliances at TKW and SW was considered related to surface runoff from the catchment, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.			
No further exceedance of action or limit levels of SS level at TKW and SW was detected during the water quality monitoring on 22 and 23 January 2024.			
in conclusion, the exceedances recorded on 13 January 2024 were considered non-project related.			
. Repeated in-situ measurement was not applicable for laboratory measurement of SS level at TKW and SW.			
2. The source of impact may be related to surface runoff, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.			
3. Notifications of exceedances have been issued to the IEC, the Contractor, and the EPD on 19 January 2024.			

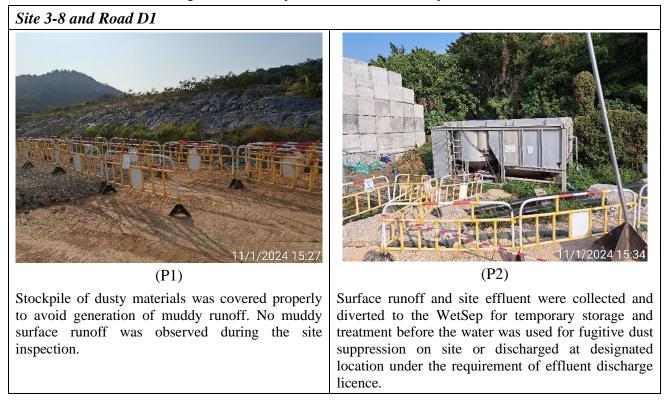


monitoring equipment	water samples were collected on site. The data were checked and confirmed. All plant, and the Contractor's working methods were checked site inspection. No non-compliance was observed.
13 January additional	ence was found to indicate that the exceedances on 2024 were affected by the site activities, no nitigation measure was discussed with the IEC, the Contractor.
site measures: <u>Site 3-8 and</u> a. The We regularly b. Surface the desi discharg silt remo c. The Con to tempo d. Channel provided e. Any site treated b <u>Site 3-6, Si</u> f. During and div Treated fugitive or constr g. Impervide the con contamin h. Perimeted are inst collect a	etSep and other accessories shall be maintained v to minimise malfunction. run-off from construction sites shall be discharged at gnated discharge point as indicated in the effluent e licence for Site 3-8 via adequately designed sand/ oval facilities. tractor will provide sump/ detention pond at Site 3-8 orary store site runoff prior to treatment. s/ earth bunds/ sandbag barriers will be properly l on site to direct stormwater to the sump(s). e runoff detained behind the box culvert will be by the WetSep at Site 3-8 prior to discharge. te 3-7, and Contaminated Soil Treatment Area dry season, construction effluent will be collected erted to the Wetsep for treatment and storage. effluent will be reused on site for water spraying and dust control. No direct discharge of surface runoff ruction effluent is anticipated. ous canvases are deployed to cover the stockpiles at ntaminated soil treatment area to minimise nated surface runoff. er channels, sump pits and leachate collection tanks alled at the contaminated soil treatment area to and store leachate from the stockpiles of excavated s to eliminate untreated leachate escaping from the
from 22 . exceedance and 23 Jan after 23 Ja	ncy of monitoring was increased at TKW and SW January 2024. No further action or limit level s of SS level at TKW and SW were recorded on 22 uary 2024. Daily monitoring was therefore ceased muary 2024. The following table summarizes the results of SS level at TKW and SW on 22 and 23 24.

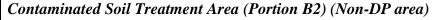


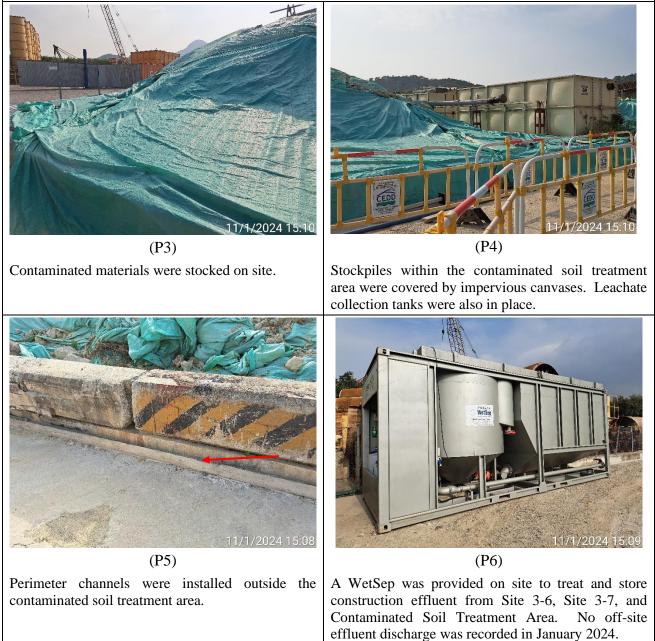
Date	22 January 2024	23 January 2024
Parameters Stations	SS (mg/L)	SS (mg/L)
TKW	1.4	5.5
SW	1.0	1.2

Photo Records of Site Inspection held by the ET on 11 January 2024











Site Photos on 13 January 2024 provided by the RE

Site 3-8 and Road D1 (Portion B7)



The road roller was provided to avoid generation of muddy runoff.

Contaminated Soil Treatment Area (Portion B2) (Non-DP area)



(R2)

The contaminated soil treatment area were covered by impervious canvas. No surface runoff or effluent was leaked from the contaminated soil treatment area during the site inspection.

Service Contract No. WD/02/2021 Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure Investigation Report (13 January 2024)



Site 3-6 (Portion A2) (Non-DP area)



(R3) No effluent discharge from the site was observed.

Discharge PointContaminated Soil Treatment Area (Portion B7)
B2Image: Discharge PointImage: Discharge P



Site Observation Photos around Water Quality Monitoring Stations taken by the ET on 13 January 2024

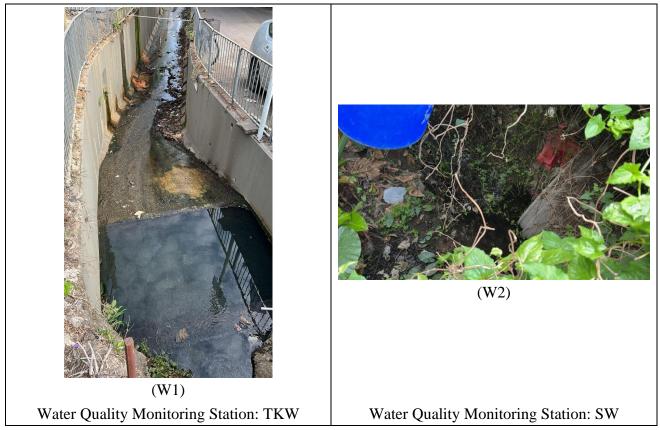
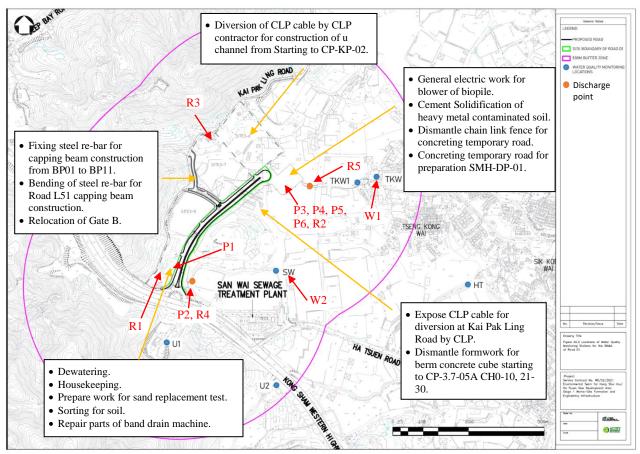




Figure 1 Location Plan of Impact Water Quality Monitoring Stations (Site activities held on 13 January 2024 were reported in text boxes)





Prepared by:	Angel Lee	Certified by:	F. C. Tsang
Designation:	Environmental Team Member	Designation:	Environmental Team Leader
Signature:	A	Signature:	Toamp Jan Bearg
Date:	8 February 2024	Date:	8 February 2024



Investigation Report for Exceedances of Limit Levels of Water Quality Monitoring on 16 January 2024

Investigation was carried out in response to exceedances of limit levels during the water quality monitoring on 16 January 2024. The following table summarizes details of the exceedances.

Enviro	Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure							
Date	Station	Parameter (Unit)	Depth- averaged Measured Value	Action Level	Limit Level	Exceedance		Project Related
						AL	LL	(Y/N)
16/01	TKW	Suspended	12.5	7.0	7.1		~	Ν
	SW	Solids (SS) (mg/L)	32.5	8.8	10.5		✓	Ν

	 According to the information provided by the engineer representative (RE), the construction works carried out within the site area of Road D1 (Designated Project (DP)) on 16 January 2024 include: <u>Site 3-8 (Road D1) at Portion B7</u> Dewatering. Housekeeping. Sand replacement test for area S5 CH20-CH45 Sorting for soil. Repair parts of band drain machine. Installation of vertical band drain.
Construction activities carried out at and adjacent to Road D1 during the investigation period:	 The construction works carried out at adjoining non-DP works area on 16 January 2024 include: <u>Site 3-6 and Site 3-7 (Miss Chan) at Portion B2</u> Expose CLP cable for diversion at Kai Pak Ling Road by CLP. Breaking artificial hard material. Concreting for berm concrete curb starting to CP-3.7-05A CH11-20. <u>Site 3-6 (near Chun Tsuen) (Temporary Stockpile Area) at Portion B1</u> No construction activity. <u>Site 3-6 (Wing Hong) at Portion B2</u> General electric work for blower of biopile. Cement solidification of heavy metal contaminated Soil. <u>Site 3-7 (near Bee Bee Garden) at Portion A2</u> No construction activity.



	No construction activity.		
	Site 3-7 and Site 3-8 at Portion B6		
	• No construction activity.		
	Site 3-8 (Kai Pak Ling Road) at Portion B6		
	• No construction activity.		
	Site 3-8 (Box Culvert) at Portion B7		
	• No construction activity.		
	Site 3-8 (Hung Wan) at Portion B7		
	No construction activity.		
	As observed during the site inspections on 16 and 18 January 2024, the Contractor had implemented on-site measures to control site runoff from Site 3-8, Road D1 and Contaminated Soil Treatment Area, including sump, WetSep and portable pumps for temporary storage and treatment of surface water and site effluent. During dry season, construction effluent from Site 3-6 and Site 3-7 was collected and diverted to the WetSep on site. Treated effluent was stored and reused on site for fugitive dust control. No direct effluent discharge from these sites was recorded.		
Possible reason for Action or Limit Level Non-compliance:	No evidence was found to indicate that the exceedances on 16 January 2024 were affected by the site activities. The non- compliances at TKW and SW was considered related to surface runoff from the catchment, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.		
	No further exceedance of action or limit levels of SS level at TKW and SW was detected during the water quality monitoring on 22 and 23 January 2024.		
	In conclusion, the exceedances recorded on 16 January 2024 were considered non-project related.		
	1. Repeated in-situ measurement was not applicable for laboratory measurement of SS level at TKW and SW.		
Action taken / to be taken:	2. The source of impact may be related to surface runoff, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.		
	3. Notifications of exceedances have been issued to the IEC, the Contractor, and the EPD on 19 January 2024.		
	4. Duplicate water samples were collected on site. The monitoring data were checked and confirmed. All plant, equipment and the Contractor's working methods were checked during the site inspection. No non-compliance was observed.		

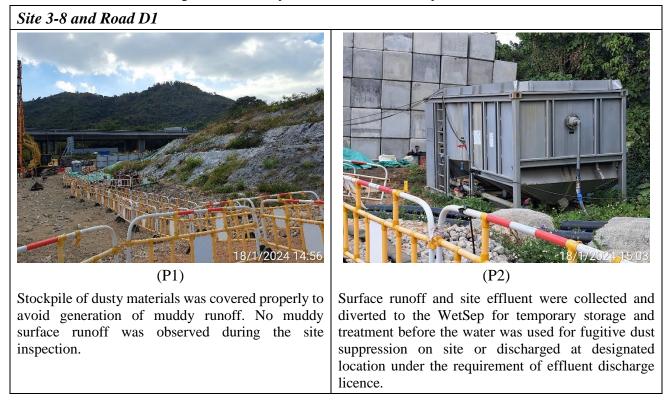


5. As no evidence was found to indicate that the exceedances on 16 January 2024 were affected by the site activities, no additional mitigation measure was discussed with the IEC, the RE and the Contractor.
 During the site inspection, the Contractor had implemented onsite measures to control site runoff. The Contractor was reminded to implement/ maintain the following mitigation measures: <u>Site 3-8 and Road D1</u> The WetSep and other accessories shall be maintained regularly to minimise malfunction. Surface run-off from construction sites shall be discharged at the designated discharge point as indicated in the effluent discharge licence for Site 3-8 via adequately designed sand/ silt removal facilities. The Contractor will provide sump/ detention pond at Site 3-8 to temporary store site runoff prior to treatment. Channels/ earth bunds/ sandbag barriers will be properly provided on site to direct stormwater to the sump(s). Any site runoff detained behind the box culvert will be treated by the WetSep at Site 3-8 prior to discharge. <u>Site 3-6, Site 3-7, and Contaminated Soil Treatment Area</u> During dry season, construction effluent will be collected and diverted to the Wetsep for treatment and storage. Treated effluent will be reused on site for water sparying and fugitive dust control. No direct discharge of surface runoff or construction effluent is anticipated. Impervious canvases are deployed to cover the stockpiles at the contaminated soil treatment area to minimise contaminated surface runoff. Perimeter channels, sump pits and leachate collection tanks are installed at the contaminated soil treatment area to collect and store leachate from the stockpiles of excavated materials to eliminate untreated leachate escaping from the treatment area.
7. The frequency of monitoring was increased at TKW and SW from 22 January 2024. No further action or limit level exceedances of SS level at TKW and SW were recorded on 22 and 23 January 2024. Daily monitoring was therefore ceased after 23 January 2024. The following table summarizes the monitoring results of SS level at TKW and SW on 22 and 23 January 2024.

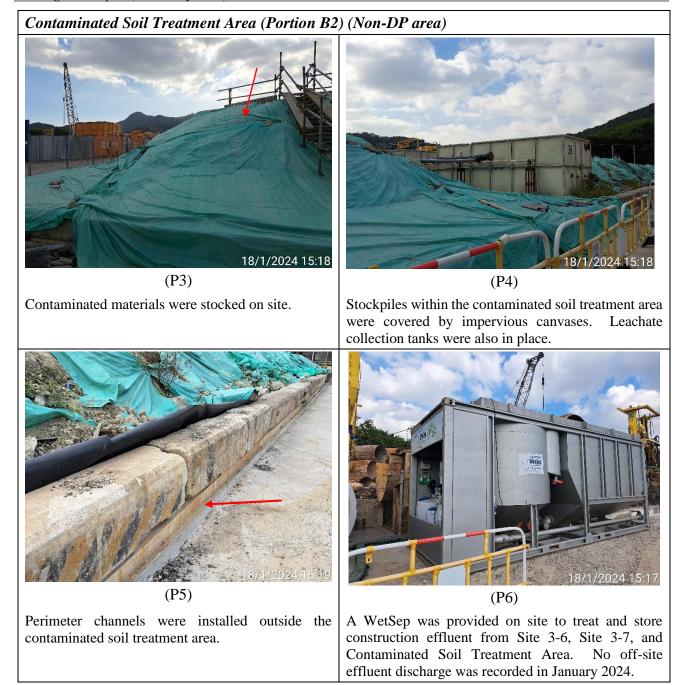


Date	22 January 2024	23 January 2024
Parameters Stations	SS (mg/L)	SS (mg/L)
TKW	1.4	5.5
SW	1.0	1.2

Photo Records of Site Inspection held by the ET on 18 January 2024









Site Photos on 16 January 2024 provided by the RE

Site 3-8 and Road D1 (Portion B7)



(R1)

No effluent discharge from the site was observed.

Contaminated Soil Treatment Area (Portion B2) (Non-DP area)



(R2)

The contaminated soil treatment area were covered by impervious canvas. No surface runoff or effluent was leaked from the contaminated soil treatment area during the site inspection.

Service Contract No. WD/02/2021 Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure Investigation Report (16 January 2024)



Site 3-6 (Portion A2) (Non-DP area)



(R3) No effluent discharge from the site was observed.

The efficient disenting from the site was observed.		
Discharge Point		
Site 3-8 and Road D1 (Portion B7)	Contaminated Soil Treatment Area (Portion	
	<i>B</i> 2)	
REDMI HOTE 12 56 16:01-2024	REDMI NOTE 12 50 116-01-2024	
(R4)	(R5)	
No off-site effluent discharge was recorded in January 2024.	No off-site effluent discharge was recorded in January 2024.	



Site Observation Photos around Water Quality Monitoring Stations taken by the ET on 16 January 2024

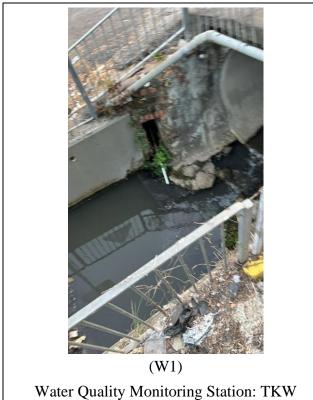
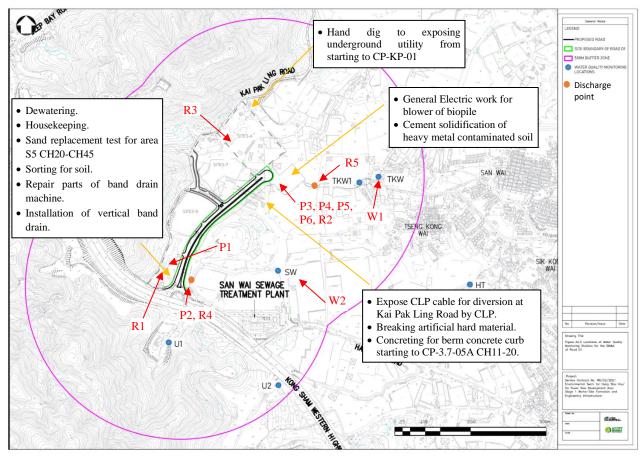






Figure 1 Location Plan of Impact Water Quality Monitoring Stations (Site activities held on 16 January 2024 were reported in text boxes)





Prepared by:	Angel Lee	Certified by:	F. C. Tsang
Designation:	Environmental Team Member	Designation:	Environmental Team Leader
Signature:	A	Signature:	Toamp Jan Bearg
Date:	8 February 2024	Date:	8 February 2024



Investigation Report for Exceedances of Limit Levels of Water Quality Monitoring on 18 January 2024

Investigation was carried out in response to exceedances of limit levels during the water quality monitoring on 18 January 2024. The following table summarizes details of the exceedances.

Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure								
Date Station		Parameter	Depth- averaged		Limit	Exceedance		Project Related
		(Unit)	Measured Value	Level	Level	AL	LL	(Y/N)
18/01	TKW1	Suspended	18.0	7.1	7.8		~	Ν
10/01	TKW	Solids (SS) (mg/L)	14.5	7.0	7.1		\checkmark	Ν

I	
	 According to the information provided by the engineer representative (RE), the construction works carried out within the site area of Road D1 (Designated Project (DP)) on 18 January 2024 include: <u>Site 3-8 (Road D1) at Portion B7</u> Dewatering. Housekeeping. Sand replacement test for area S1 CH105-CH108. Backfilling fine fill material for area S5. Sorting for soil. Repair parts of band drain machine. Installation of vertical band drain.
Construction activities carried out at and adjacent to Road D1 during the investigation period:	 The construction works carried out at adjoining non-DP works area on 18 January 2024 include: <u>Site 3-6 and Site 3-7 (Miss Chan) at Portion B2</u> Expose CLP cable for diversion at Kai Pak Ling Road by CLP. Transport soil to site 3-6 for temporary storage. <u>Site 3-6 (near Chun Tsuen) (Temporary Stockpile Area) at Portion B1</u> No construction activity. <u>Site 3-6 (Wing Hong) at Portion B2</u> General Electric work for blower of biopile. Cement solidification of Heavy Metal Contaminated Soil. <u>Site 3-7 (near gate B) at Portion A2</u> General site works. <u>Road L51 at Portion A2</u> Trimming concrete for capping beam construction between



	BP16 and BP18.
	• Erect formwork for capping beam construction between
	BP10 and BP11.
	Site 3-7 and Site 3-8 at Portion B6
	• No construction activity. Site 3-8 (Kai Pak Ling Road) at Portion B6
	 No construction activity. Site 3-8 (Box Culvert) at Portion B7
	 No construction activity.
	Site 3-8 (Hung Wan) at Portion B7
	No construction activity.
	· · · · · · · · · · · · · · · · · · ·
	As observed during the site inspections on 18 January 2024, the Contractor had implemented on-site measures to control site runoff from Site 3-8, Road D1 and Contaminated Soil Treatment Area, including sump, WetSep and portable pumps for temporary storage and treatment of surface water and site effluent. During dry season, construction effluent from Site 3-6 and Site 3-7 was collected and diverted to the WetSep on site. Treated effluent was stored and reused on site for fugitive dust control. No direct effluent discharge from these sites was recorded.
Possible reason for Action or Limit Level Non-compliance:	No evidence was found to indicate that the exceedances on 18 January 2024 were affected by the site activities. The non- compliances at TKW1 and TKW was considered related to surface runoff from the catchment, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.
	No further exceedance of action or limit levels of SS level at TKW1 and TKW was detected during the water quality monitoring on 22 and 23 January 2024.
	In conclusion, the exceedances recorded on 18 January 2024 were considered non-project related.
	1. Repeated in-situ measurement was not applicable for laboratory measurement of SS level at TKW1 and TKW.
Action taken / to be taken:	2. The source of impact may be related to surface runoff, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.
	3. Notifications of exceedances have been issued to the IEC, the Contractor, and the EPD on 24 January 2024.
	4. Duplicate water samples were collected on site. The monitoring data were checked and confirmed. All plant.

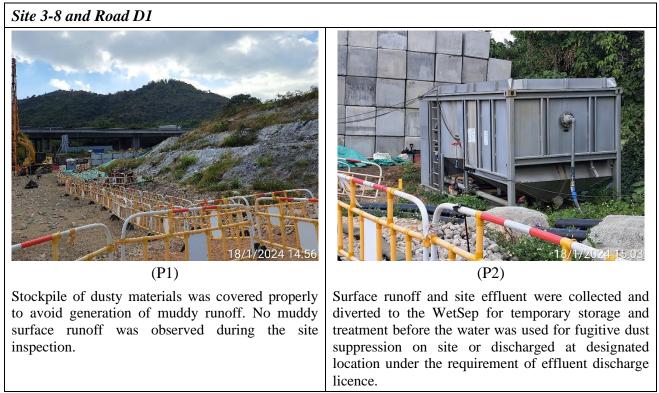


equipment and the Contractor's working methods were checked during the site inspection. No non-compliance was observed.
5. As no evidence was found to indicate that the exceedances on 18 January 2024 were affected by the site activities, no additional mitigation measure was discussed with the IEC, the RE and the Contractor.
 6. During the site inspection, the Contractor had implemented onsite measures to control site runoff. The Contractor was reminded to implement/ maintain the following mitigation measures: <u>Site 3-8 and Road D1</u> a. The WetSep and other accessories shall be maintained regularly to minimise malfunction. b. Surface run-off from construction sites shall be discharged at the designated discharge point as indicated in the effluent discharge licence for Site 3-8 via adequately designed sand/ silt removal facilities. c. The Contractor will provide sump/ detention pond at Site 3-8 to temporary store site runoff prior to treatment. d. Channels/ earth bunds/ sandbag barriers will be properly provided on site to direct stormwater to the sump(s). e. Any site runoff detained behind the box culvert will be treated by the WetSep at Site 3-8 prior to discharge. Site 3-6, Site 3-7, and Contaminated Soil Treatment Area
 f. During dry season, construction effluent will be collected and diverted to the Wetsep for treatment and storage. Treated effluent will be reused on site for water spraying and fugitive dust control. No direct discharge of surface runoff or construction effluent is anticipated. g. Impervious canvases are deployed to cover the stockpiles at the contaminated soil treatment area to minimise contaminated surface runoff. h. Perimeter channels, sump pits and leachate collection tanks are installed at the contaminated soil treatment area to collect and store leachate from the stockpiles of excavated materials to eliminate untreated leachate escaping from the treatment area.
7. The frequency of monitoring was increased at TKW1 and TKW from 22 January 2024. No further action or limit level exceedances of SS level at TKW1 and TKW were recorded on 22 and 23 January 2024. Daily monitoring was therefore ceased after 23 January 2024. The following table summarizes the monitoring results of SS level at TKW1 and TKW on 22 and 23 January 2024.

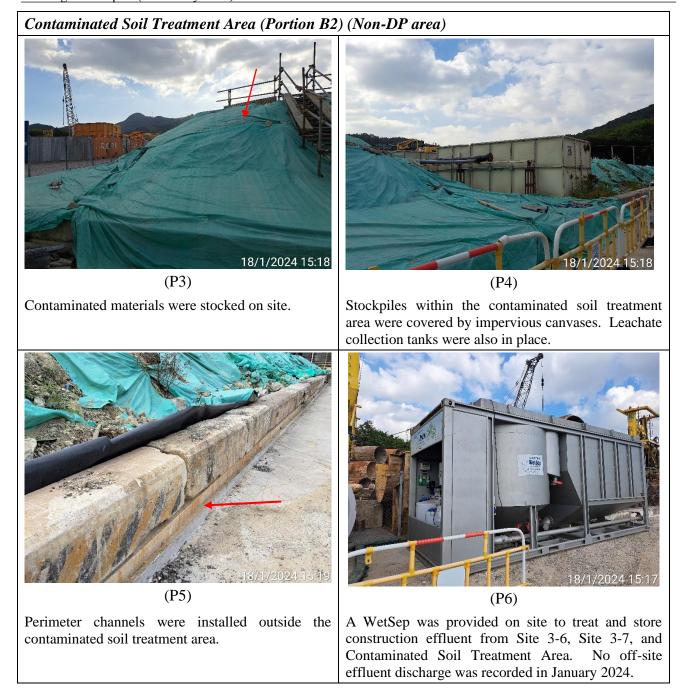


Date	22 January 2024	23 January 2024
Parameters	SS	SS
Stations	(mg/L)	(mg/L)
TKW1	1.6	2.9
TKW	1.4	5.5

Photo Records of Site Inspection held by the ET on 18 January 2024









Site Photos on 18 January 2024 provided by the RE

Site 3-8 and Road D1 (Portion B7)



(R1)

No effluent discharge from the site was observed.

Contaminated Soil Treatment Area (Portion B2) (Non-DP area)

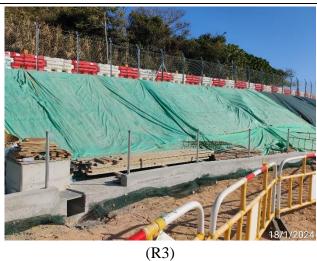


(R2)

The contaminated soil treatment area were covered by impervious canvas. No surface runoff or effluent was leaked from the contaminated soil treatment area during the site inspection.



Site 3-6 (Portion A2) (Non-DP area)



No effluent discharge from the site was observed.

 Discharge Point

 Site 3-8 and Road D1 (Portion B7)
 Contaminated Soil Treatment Area (Portion B2)

 Image: Colspan="2">Optimized Soil Treatment Area (Portion B2)
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Site Observation Photos around Water Quality Monitoring Stations taken by the ET on 18 January 2024

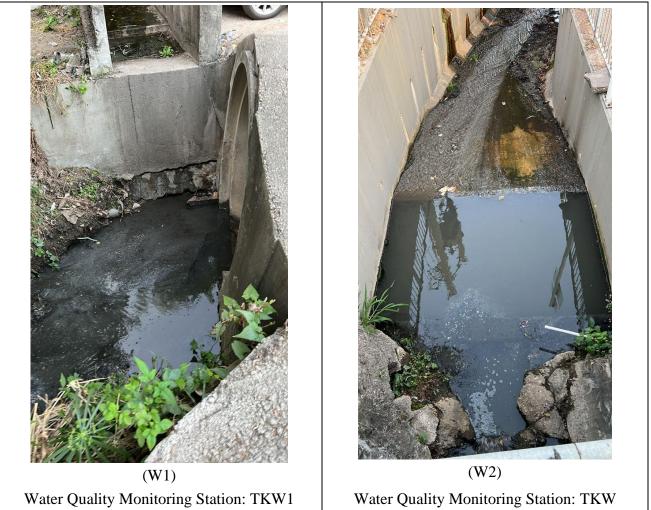
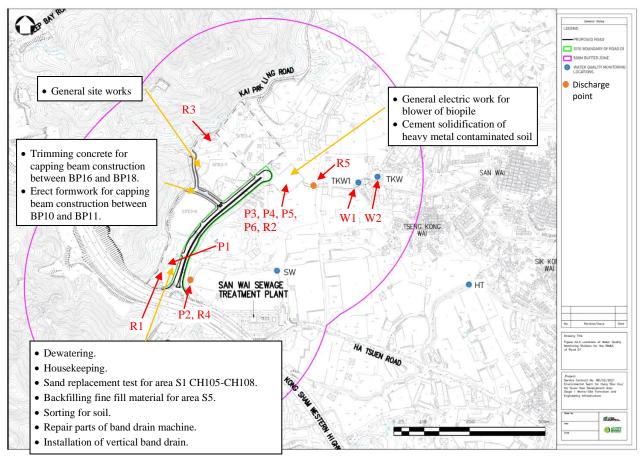




Figure 1 Location Plan of Impact Water Quality Monitoring Stations (Site activities held on 18 January 2024 were reported in text boxes)





Prepared by:	Angel Lee	Certified by:	F. C. Tsang
Designation:	Environmental Team Member	Designation:	Environmental Team Leader
Signature:	A	Signature:	Toamp Jan Bearg
Date:	8 February 2024	Date:	8 February 2024



Investigation Report for Exceedances of Limit Levels of Water Quality Monitoring on 20 January 2024

Investigation was carried out in response to exceedances of limit levels during the water quality monitoring on 20 January 2024. The following table summarizes details of the exceedances.

Enviro	Environmental Team for Hung Shui Kiu/ Ha Tsuen New Development Area Stage 1 Works – Site Formation and Engineering Infrastructure							
Date Station	Parameter	Depth- averaged Action	Limit	Exceedance		Project Related		
Dutt	Station	(Unit)	MeasuredLevelLevelValue	Level	AL	LL	(Y/N)	
	TKW1	Suspended	17.5	7.1	7.8		\checkmark	Ν
20/01	TKW	Solids (SS) (mg/L)	16.5	7.0	7.1		~	Ν
	SW		14.5	8.8	10.5		\checkmark	Ν

	According to the information provided by the engineer representative (RE), the construction works carried out within the site area of Road D1 (Designated Project (DP)) on 20 January 2024 include: Site 3-8 (Road D1) at Portion B7
	• Dewatering.
	• Housekeeping.
	• Sand replacement test for Site 3-8 Road D1 Slope S/B (CH20- CH45) area S5.
	• Sorting for soil.
	• Repair parts of band drain machine.
	• Installation of vertical band drain.
Construction activities carried	
out at and adjacent to Road D1	The construction works carried out at adjoining non-DP works
during the investigation period:	area on 20 January 2024 include:
	Site 3-6 and Site 3-7 (Miss Chan) at Portion B2
	• Expose CLP cable for diversion at Kai Pak Ling Road by CLP.
	• Transport soil to site 3-6 for temporary storage.
	• Welding hand railing along access at berm from starting to CP-3.7-05A.
	Site 3-6 (near Chun Tsuen) (Temporary Stockpile Area) at Portion B1
	• No construction activity.
	Site 3-6 (Wing Hong) at Portion B2
	• General electric work for blower of biopile.
	• Cement solidification of heavy metal contaminated soil.



	Site 3-7 (near gate B) at Portion A2
	• General site works.
	Road L51 at Portion A2
	• General site works.
	• Erect formwork for vertical blinding between BP16 and
	BP18.
	Site 3-7 and Site 3-8 at Portion B6
	No construction activity.
	Site 3-7 and Site 3-8 (Kai Pak Ling Road) at Portion B6
	No construction activity.
	Site 3-8 (Box Culvert) at Portion B7
	• No construction activity.
	Site 3-8 (Hung Wan) at Portion B7
	No construction activity.
	As observed during the site inspections on 18 and 20 January
	As observed during the site inspections on 18 and 20 January 2024, the Contractor had implemented on-site measures to control site runoff from Site 3-8, Road D1 and Contaminated Soil Treatment Area, including sump, WetSep and portable pumps for temporary storage and treatment of surface water and site effluent. During dry season, construction effluent from Site 3-6 and Site 3-7 was collected and diverted to the WetSep on site. Treated effluent was stored and reused on site for fugitive dust control. No direct effluent discharge from these sites was recorded.
Possible reason for Action or Limit Level Non-compliance:	No evidence was found to indicate that the exceedances on 20 January 2024 were affected by the site activities. The non- compliances at TKW1, TKW and SW was considered related to surface runoff from the catchment, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site. No further exceedance of action or limit levels of SS level at TKW1, TKW and SW was detected during the water quality
	monitoring on 22 and 23 January 2024.
	In conclusion, the exceedances recorded on 20 January 2024 were considered non-project related.
	1. Repeated in-situ measurement was not applicable for laboratory measurement of SS level at TKW1, TKW and SW.
Action taken / to be taken:	2. The source of impact may be related to surface runoff, effluent discharges from workshops, open storages, warehouse, private toilet(s) and/ or residential dwellings along the catchment downstream of the site.
	3. Notifications of exceedances have been issued to the IEC, the



Contractor, and the EPD on 31 January 2024.	
Duplicate water samples were collected or monitoring data were checked and confirmed equipment and the Contractor's working methods during the site inspection. No non-compliance w	l. All plant, were checked
As no evidence was found to indicate that the e 20 January 2024 were affected by the site additional mitigation measure was discussed with RE and the Contractor.	activities, no
During the site inspection, the Contractor had imsite measures to control site runoff. The Creminded to implement/ maintain the followineasures: Site 3-8 and Road D1	contractor was
 a. The WetSep and other accessories shall be regularly to minimise malfunction. b. Surface run-off from construction sites shall be the designated discharge point as indicated a discharge licence for Site 3-8 via adequately silt removal facilities. c. The Contractor will provide sump/ detention p 	e discharged at in the effluent designed sand/
 to temporary store site runoff prior to treatment d. Channels/ earth bunds/ sandbag barriers wi provided on site to direct stormwater to the sure e. Any site runoff detained behind the box c treated by the WetSep at Site 3-8 prior to disch Site 3-6, Site 3-7, and Contaminated Soil Treatment 	ll be properly np(s). ulvert will be narge.
E. During dry season, construction effluent will and diverted to the Wetsep for treatment Treated effluent will be reused on site for wate fugitive dust control. No direct discharge of or construction effluent is anticipated. g. Impervious canvases are deployed to cover the	and storage. er spraying and surface runoff
 the contaminated soil treatment area contaminated surface runoff. h. Perimeter channels, sump pits and leachate c are installed at the contaminated soil trea collect and store leachate from the stockpile materials to eliminate untreated leachate esca treatment area. 	to minimise ollection tanks tment area to s of excavated
The frequency of monitoring was increased at and SW from 22 January 2024. No further action exceedances of SS level at TKW1, TKW a recorded on 22 and 23 January 2024. Daily n herefore ceased after 23 January 2024. The fo	n or limit level and SW were nonitoring was



summarizes the monitoring results of SS level at TKW1, TKW and SW on 22 and 23 January 2024.		
22 January 2024	23 January 2024	
SS	SS	
(mg/L)	(mg/L)	
1.6	2.9	
1.4	5.5	
1.0	1.2	
	January 2024. 22 January 2024 SS (mg/L) 1.6	

Photo Records of Site Inspection held by the ET on 18 January 2024



(P1)

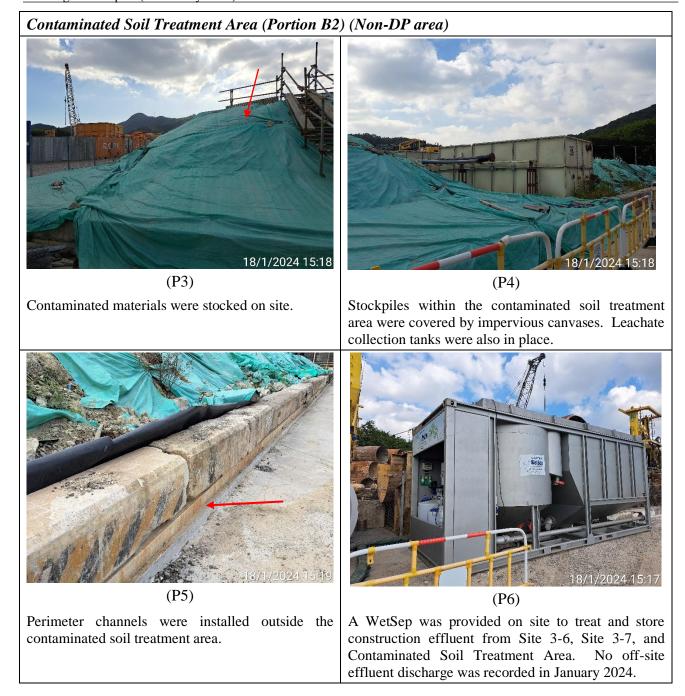
Stockpile of dusty materials was covered properly to avoid generation of muddy runoff. No muddy surface runoff was observed during the site inspection.



(P2)

Surface runoff and site effluent were collected and diverted to the WetSep for temporary storage and treatment before the water was used for fugitive dust suppression on site or discharged at designated location under the requirement of effluent discharge licence.







Site Photos on 20 January 2024 provided by the RE

Site 3-8 and Road D1 (Portion B7)



(R1)

No effluent discharge from the site was observed.

Contaminated Soil Treatment Area (Portion B2) (Non-DP area)



(R2)

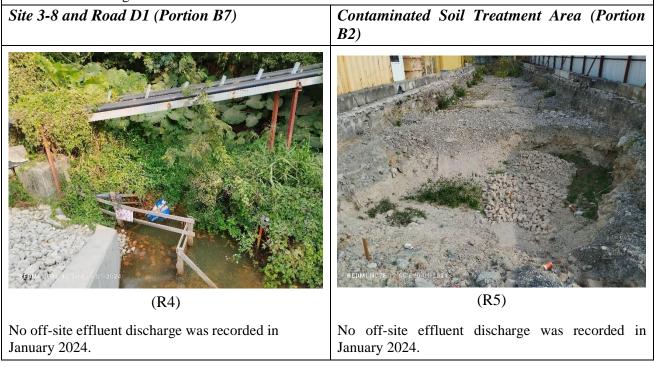
The contaminated soil treatment area were covered by impervious canvas. No surface runoff or effluent was leaked from the contaminated soil treatment area during the site inspection.



Site 3-6 (Portion A2) (Non-DP area)



No effluent discharge from the site was observed.





Site Observation Photos around Water Quality Monitoring Stations taken by the ET on 20 January 2024

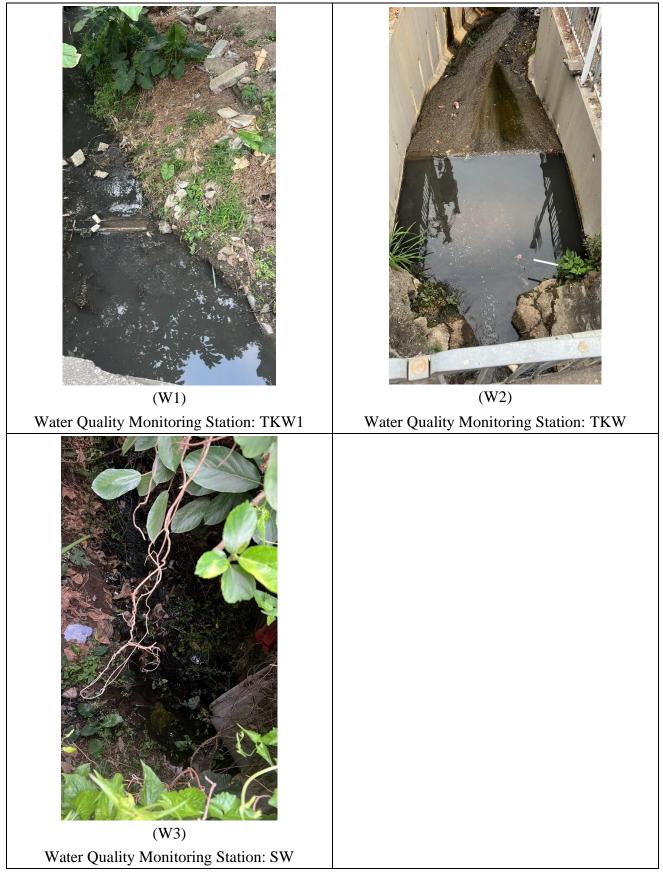
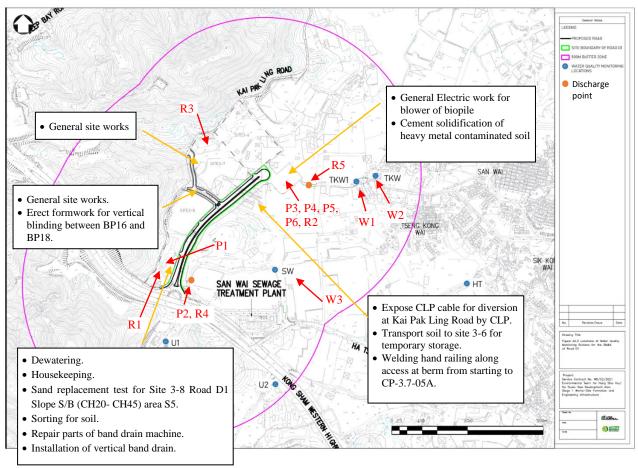




Figure 1 Location Plan of Impact Water Quality Monitoring Stations (Site activities held on 20 January 2024 were reported in text boxes)





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Signature:	A	Signature:	Toang Jan Bearg
Date:	8 February 2024	Date:	8 February 2024