



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_10N149	10-Dec-13	9:18	M6 - HK Baptist Church Henrietta Secondary School	73	Leq(30-min)	when one documented complaint was received.	65	<p>Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Crosshead and Rebar fixing works for Contract HY/2009/19 were conducted during the measurement. It was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance was not due to project but to traffic noise nearby.</p>



Ref. No.	Date	Time	Location	Construction Noise Level	Unit	Action Level	Limit Level	Follow-up action
X_10N150	18-Dec-13	10:40	M6 - HK Baptist Church Henrietta Secondary School	72	Leq(30-min)	when one documented complaint was received.	65	<p>Possible reason: Traffic nearby was observed during monitoring and was considered as the major noise contribution.</p> <p>Action taken / to be taken: Repeat measurement to confirm result and reviewed the trend of noise measurement. Analysis of contractor's working procedure.</p> <p>Remarks / Other Obs: Rebar fixing works for Contract HY/2009/19 were conducted during the measurement. It was observed that traffic noise was a major noise source during monitoring. It is concluded that the exceedance was not due to project but to traffic noise nearby.</p>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10C602	4-Dec-13	Mid-flood	C7	DO(mg/L)	5.26	3.36	2.73	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station
				Turbidity	14.76	9.10	10.25	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	23.00	15.00	22.13	Remarks / Other Obs: Silt screen was in proper condition. Installation of rebar for EVA at Eastern Breakwater and dredging of type 2 marine sediment was conducted by contractor HY/2009/15 on that day. Mitigation measure including frame type silt curtain was confirmed in place. In view of no further exceedance was recorded in the next consecutive monitoring despite on-going marine works within same sampling date. The exceedance was considered as works-related
X_10C603	16-Dec-13	Mid-flood	C7	DO(mg/L)	4.91	3.36	2.73	Possible reason: Underwater silt screen inspection leading to changes of water quality in the vicinity of the water quality monitoring station
				Turbidity	39.13	9.10	10.25	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works.
				SS	62.50	15.00	22.13	Remarks / Other Obs: Underwater silt screen inspection was observed during water quality monitoring. According to on-site observation during sampling, it was considered that the dragging action of unwinding silt curtain installed around the silt screen could have impaired the water quality and lead to the abnormal turbidity and SS level. Contractor was advised to review the underwater silt screen inspection process as a propose to reduce the impact on water quality in the vicinity of water quality monitoring station. In view of no further exceedance was recorded in the next consecutive monitoring despite on-going marine works within same sampling date. The exceedance was considered as works-related



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10D385	2-Dec-13	Mid-Ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.34	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D386	2-Dec-13	Mid-Ebb	Ex-WPCWA SE	Middle	DO(mg/l)	2.31	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D387	4-Dec-13	Mid-Flood	Ex-WPCWA SW	Middle	DO(mg/l)	3.71	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: Owing to minimal flushing combined with organic dischargeduring ebb tide. DO level was observed improved during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D388	4-Dec-13	Mid-Flood	Ex-WPCWA SE	Middle	DO(mg/l)	4.00	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: Owing to minimal flushing combined with organic dischargeduring ebb tide. DO level was observed improved during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10D389	7-Dec-13	Mid-Ebb	Ex-WPCWA SW	Middle	DO(mg/l)	3.05	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D390	7-Dec-13	Mid-Ebb	Ex-WPCWA SE	Middle	DO(mg/l)	3.23	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D391	9-Dec-13	Mid-Ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.07	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D392	9-Dec-13	Mid-Ebb	Ex-WPCWA SE	Middle	DO(mg/l)	2.36	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>



Ref no.	Date	Tidal	Location	Depth	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_10D393	11-Dec-13	Mid-Ebb	Ex-WPCWA SW	Middle	DO(mg/l)	2.66	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D394	11-Dec-13	Mid-Ebb	Ex-WPCWA SE	Middle	DO(mg/l)	2.99	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D395	13-Dec-13	Mid-Ebb	Ex-WPCWA SW	Middle	DO(mg/l)	1.10	3.84	3.73	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>
X_10D396	13-Dec-13	Mid-Ebb	Ex-WPCWA SE	Middle	DO(mg/l)	1.31	4.26	3.61	<p>Possible reason: Possible in relation to the accumulation of organic particles discharged from culvert near monitoring station</p> <p>Action taken / to be taken: Repeated the measurement to confirm the result. No odour nuisance was noted during the DO monitoring. Checked with Contract works.</p> <p>Remarks / Other Obs: It was observed that natural tidal flushing was minimal during ebb tide. DO level was observed replenished during flood tide cycle. The DO level at the concerned location will be keep in view closely and additional measures should be considered when necessary. DO level was observed restored during both ebb and flood tide since 16 December 2013 In view that there was no marine activities at ex-WPCWA, it was considered not related to Project works.</p>



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_W539	30-Nov-13	Mid-Flood	WSD21	DO(mg/L)	4.37	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	5.77	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	27.50	13.00	14.43	Remarks / Other Obs: According to contractor record, silt screen washing was conducted on that day. In view of no marine work was conducting during water quality monitoring. Silt screen was confirmed in order, the exceedances was considered not
X_W540	30-Nov-13	Mid-Flood	WSD19	DO(mg/L)	6.62	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	6.15	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	16.50	13.00	14.43	Remarks / Other Obs: Dredging works was conducted by Contractor HK/2012/08 during monitoring. Mitigation meares including framed silt curtain was confirmed in place.The exceedances was considered not project related.
X_W541	30-Nov-13	Mid-Ebb	WSD21	DO(mg/L)	4.16	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	7.77	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	15.50	13.00	14.43	Remarks / Other Obs: Inview of no marine work was conducting during water quality monitoring. Silt screen was confirmed in order, the exceedances was considered not project related.
X_W542	4-Dec-13	Mid-Ebb	WSD19	DO(mg/L)	6.20	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	18.28	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	8.00	13.00	14.43	Remarks / Other Obs: Dredging works was conducted by Contractor HK/2012/08 during monitoring. Mitigation meares including framed silt curtain was confirmed in place. Silt screen was confirmed in order,The exceedances was considered not project related.
X_W543	7-Dec-13	Mid-Flood	WSD17	DO(mg/L)	6.77	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	7.80	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works.
				SS	14.50	13.00	14.43	Remarks / Other Obs: In view of no marine work was conducting during water quality monitoring, the exceedances was considered not project related.
X_W544	7-Dec-13	Mid-Flood	WSD19	DO(mg/L)	6.29	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	20.87	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	13.50	13.00	14.43	Remarks / Other Obs: Dredging works was conducted by Contractor HK/2012/08 during monitoring. Mitigation meares including framed silt curtain was confirmed in place.The exceedances was considered not project related.
X_W545	7-Dec-13	Mid-Ebb	WSD21	DO(mg/L)	4.55	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	4.95	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	15.50	13.00	14.43	Remarks / Other Obs: According to contractor record, silt screen washing was conducted on that day. Inview of no marine work was conducting during water quality monitoring. Silt screen was confirmed in order, the exceedances was considered not



Ref no.	Date	Tidal	Location	Parameters (Unit)	Measured	Action Level	Limit Level	Follow-up action
X_W546	9-Dec-13	Mid-Flood	WSD19	DO(mg/L)	6.22	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	8.73	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	19.50	13.00	14.43	Remarks / Other Obs: Dredging works was conducted by Contractor HK/2012/08 during monitoring. Mitigation measures including framed silt curtain was confirmed in place. Silt screen was confirmed in order, The exceedances was considered not project related.
X_W547	9-Dec-13	Mid-Flood	WSD9	DO (mg/L)	6.51	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	5.04	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. The tidal was moving westward.
				Suspended Solid	20.00	13.00	14.43	Remarks / Other Obs: No marine works was conducted on that day and no further exceedance was recorded in the next consecutive monitoring and since WSD9 was located at the upstream of the Project, in view that the water quality at monitoring stations located nearest the marine work site were well below the Action level, the exceedances was considered not project related.
X_W548	9-Dec-13	Mid-Ebb	WSD9	DO (mg/L)	6.15	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	1.62	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. The tidal was moving westward.
				Suspended Solid	16.50	13.00	14.43	Remarks / Other Obs: In view of no marine works was conducted on that day and the water quality at monitoring stations located nearest the marine work site were well below the Action level, the exceedances was considered not project related.
X_W549	13-Dec-13	Mid-Flood	WSD21	DO(mg/L)	5.44	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	6.28	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	13.50	13.00	14.43	Remarks / Other Obs: In view of no marine work was conducting during water quality monitoring. Silt screen was confirmed in order, the exceedances was considered not project related.
X_W550	16-Dec-13	Mid-Flood	WSD19	DO(mg/L)	6.10	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	11.73	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	8.00	13.00	14.43	Remarks / Other Obs: Dredging works was conducted by Contractor HK/2012/08 during monitoring. Mitigation measures including framed silt curtain was confirmed in place. The exceedances was considered not project related.
X_W551	18-Dec-13	Mid-Flood	WSD19	DO(mg/L)	6.51	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	12.79	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. .
				SS	23.50	13.00	14.43	Remarks / Other Obs: Dredging and filling for seawall rock mould formation was conducted by Contractor HK/2012/08 during monitoring. Mitigation measures including framed silt curtain was confirmed in place. The exceedances was considered not project related.
X_W552	18-Dec-13	Mid-Flood	WSD21	DO(mg/L)	6.44	3.66	3.28	Possible reason: Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	6.90	8.04	9.49	Action taken / to be taken: Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	14.00	13.00	14.43	Remarks / Other Obs: According to contractor record, silt screen washing was conducted on that day. In view of no marine work was conducting during water quality monitoring. Silt screen was confirmed in order, the exceedances was considered not project related.



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X_W553	21-Dec-13	Mid-Flood	WSD9	DO (mg/L)	6.78	3.66	3.28	Possible reason:	Natural variation or changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	8.45	8.04	9.49	Action taken / to be taken:	Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. The tidal was moving westward.
				Suspended Solid	7.00	13.00	14.43	Remarks / Other Obs:	In view of no marine works was conducted on that day and no further exceedance was recorded in the next consecutive monitoring and since WSD9 was located at the upstream of the Project, in view that the water quality at monitoring stations located nearest the marine work site were well below the Action level, the exceedances was considered not project related.
X_W554	24-Dec-13	Mid-Flood	WSD21	DO(mg/L)	5.78	3.66	3.28	Possible reason:	Natural variation of changes of water quality in the vicinity of the water quality monitoring station.
				Turbidity	6.79	8.04	9.49	Action taken / to be taken:	Immediate repeated in-situ measurements had conducted to confirm the exceedances. Checking with contractor's works. Checking with contractor's inspection record.
				SS	45.00	13.00	14.43	Remarks / Other Obs:	According to contractor record, silt screen was in order on that day. In view of no marine work was conducting during water quality monitoring and no further exceedance was recorded in the next consecutive monitoring, the exceedances was considered not project related.