Report No. 40907- SS&DO40901

Monitoring Date 01/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	13:46	Ebb	SS	12.8	9.9	10.5	Limit
W2	13:49	Ebb	SS	12.0	9.9	10.5	Limit
W1	13:46	Ebb	DO (surface & middle)	5.1	6.3	6.1	Limit
W2	13:49	Ebb	DO (surface & middle)	4.8	6.3	6.1	Limit
W3	13:52	Ebb	DO (surface & middle)	5.8	6.3	6.1	Limit
W1	07:37	Flood	DO (surface & middle)	5.5	6.4	6.3	Limit
W2	07:32	Flood	DO (surface & middle)	5.7	6.4	6.3	Limit
W3	07:35	Flood	DO (surface & middle)	5.6	6.4	6.3	Limit
W1	13:46	Ebb	DO (bottom)	4.7	6.1	5.9	Limit
W2	13:49	Ebb	DO (bottom)	4.6	6.1	5.9	Limit
W3	13:52	Ebb	DO (bottom)	4.9	6.1	5.9	Limit
WS	7:00:40	Ebb	DO	5.21	5.9	5.5	Limit
WS	7:05:40	Ebb	DO	5.13	5.9	5.5	Limit
WS	7:10:40	Ebb	DO	5.13	5.9	5.5	Limit
WS	7:15:40	Ebb	DO	5.09	5.9	5.5	Limit
WS	7:20:40	Ebb	DO	5.07	5.9	5.5	Limit
WS	7:25:40	Ebb	DO	5.07	5.9	5.5	Limit
WS	7:30:40	Ebb	DO	5.06	5.9	5.5	Limit
WS	7:35:40	Ebb	DO	5.06	5.9	5.5	Limit
WS	7:40:40	Ebb	DO	5.06	5.9	5.5	Limit
WS	7:45:40	Ebb	DO	5.06	5.9	5.5	Limit
WS	7:50:40	Ebb	DO	5.05	5.9	5.5	Limit
WS	7:55:40	Ebb	DO	5.05	5.9	5.5	Limit
WS	8:00:40	Ebb	DO	5.04	5.9	5.5	Limit
WS	8:05:40	Ebb	DO	5.04	5.9	5.5	Limit
WS	8:10:40	Ebb	DO	5.04	5.9	5.5	Limit
WS	8:15:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	8:20:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	8:25:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	8:30:40	Ebb	DO	5.02	5.9	5.5	Limit
WS	8:35:40	Ebb	DO	5.01	5.9	5.5	Limit
WS	8:40:40	Ebb	DO	5.01	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	8:45:40	Ebb	DO	5.01	5.9	5.5	Limit
WS	8:50:40	Ebb	DO	5.02	5.9	5.5	Limit
WS	8:55:40	Ebb	DO	5.02	5.9	5.5	Limit
WS	9:00:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:05:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:10:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:15:40	Ebb	DO	5.04	5.9	5.5	Limit
WS	9:20:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:25:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:30:40	Ebb	DO	5	5.9	5.5	Limit
WS	9:35:40	Ebb	DO	5	5.9	5.5	Limit
WS	9:40:40	Ebb	DO	5	5.9	5.5	Limit
WS	9:45:40	Ebb	DO	4.99	5.9	5.5	Limit
WS	9:50:40	Ebb	DO	4.97	5.9	5.5	Limit
WS	9:55:40	Ebb	DO	4.97	5.9	5.5	Limit
WS	10:00:40	Ebb	DO	4.98	5.9	5.5	Limit
WS	10:05:40	Ebb	DO	5	5.9	5.5	Limit
WS	10:10:40	Ebb	DO	5	5.9	5.5	Limit
WS	10:15:40	Ebb	DO	4.98	5.9	5.5	Limit
WS	10:20:40	Ebb	DO	4.98	5.9	5.5	Limit
WS	10:25:40	Ebb	DO	4.97	5.9	5.5	Limit
WS	10:30:40	Ebb	DO	4.94	5.9	5.5	Limit
WS	10:35:40	Flood	DO	4.95	5.9	5.5	Limit
WS	10:40:40	Flood	DO	4.96	5.9	5.5	Limit
WS	10:45:40	Flood	DO	4.96	5.9	5.5	Limit
WS	10:50:40	Flood	DO	4.95	5.9	5.5	Limit
WS	10:55:40	Flood	DO	4.93	5.9	5.5	Limit
WS	11:00:40	Flood	DO	4.91	5.9	5.5	Limit
WS	11:05:40	Flood	DO	4.93	5.9	5.5	Limit
WS	11:10:40	Flood	DO	4.91	5.9	5.5	Limit
WS	11:15:40	Flood	DO	4.93	5.9	5.5	Limit
WS	11:20:40	Flood	DO	4.95	5.9	5.5	Limit
WS	11:25:40	Flood	DO	4.95	5.9	5.5	Limit
WS	11:30:40	Flood	DO	4.96	5.9	5.5	Limit
WS	11:35:40	Flood	DO	4.97	5.9	5.5	Limit
WS	11:40:40	Flood	DO	5	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	11:45:40	Flood	DO	5.02	5.9	5.5	Limit
WS	11:50:40	Flood	DO	5.02	5.9	5.5	Limit
WS	11:55:40	Flood	DO	5.02	5.9	5.5	Limit
WS	12:00:40	Flood	DO	5	5.9	5.5	Limit
WS	12:05:40	Flood	DO	4.99	5.9	5.5	Limit
WS	12:10:40	Flood	DO	5	5.9	5.5	Limit
WS	12:15:40	Flood	DO	5	5.9	5.5	Limit
WS	12:20:40	Flood	DO	5.01	5.9	5.5	Limit
WS	12:25:40	Flood	DO	5.01	5.9	5.5	Limit
WS	12:30:40	Flood	DO	5.03	5.9	5.5	Limit
WS	12:35:40	Flood	DO	5.03	5.9	5.5	Limit
WS	12:40:40	Flood	DO	5.03	5.9	5.5	Limit
WS	12:45:40	Flood	DO	5	5.9	5.5	Limit
WS	12:50:40	Flood	DO	4.93	5.9	5.5	Limit
WS	12:55:40	Flood	DO	4.95	5.9	5.5	Limit
WS	13:00:40	Flood	DO	5.08	5.9	5.5	Limit
WS	13:05:40	Flood	DO	5.08	5.9	5.5	Limit
WS	13:10:40	Flood	DO	5.1	5.9	5.5	Limit
WS	13:15:40	Flood	DO	5.17	5.9	5.5	Limit
WS	13:20:40	Flood	DO	5.12	5.9	5.5	Limit
WS	13:25:40	Flood	DO	5.11	5.9	5.5	Limit
WS	13:30:40	Flood	DO	5.05	5.9	5.5	Limit
WS	13:35:40	Flood	DO	5.02	5.9	5.5	Limit
WS	13:40:40	Flood	DO	5.09	5.9	5.5	Limit
WS	13:45:40	Flood	DO	5.15	5.9	5.5	Limit
WS	13:50:40	Flood	DO	5.12	5.9	5.5	Limit
WS	13:55:40	Flood	DO	5.07	5.9	5.5	Limit
WS	14:00:40	Flood	DO	5.18	5.9	5.5	Limit
WS	14:05:40	Flood	DO	5.18	5.9	5.5	Limit
WS	14:10:40	Flood	DO	5.21	5.9	5.5	Limit
WS	14:15:40	Flood	DO	5.21	5.9	5.5	Limit
WS	14:20:40	Flood	DO	5.17	5.9	5.5	Limit
WS	14:25:40	Flood	DO	5.17	5.9	5.5	Limit
WS	14:30:40	Flood	DO	5.2	5.9	5.5	Limit
WS	14:35:40	Flood	DO	5.23	5.9	5.5	Limit
WS	14:40:40	Flood	DO	5.16	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	14:45:40	Flood	DO	5.07	5.9	5.5	Limit
WS	14:50:40	Flood	DO	5.11	5.9	5.5	Limit
WS	14:55:40	Flood	DO	5.2	5.9	5.5	Limit
WS	15:00:40	Flood	DO	5.2	5.9	5.5	Limit
WS	15:05:40	Flood	DO	5.25	5.9	5.5	Limit
WS	15:10:40	Flood	DO	5.21	5.9	5.5	Limit
WS	15:15:40	Flood	DO	5.06	5.9	5.5	Limit
WS	15:20:40	Flood	DO	4.81	5.9	5.5	Limit
WS	15:25:40	Flood	DO	4.92	5.9	5.5	Limit
WS	15:30:40	Flood	DO	5.06	5.9	5.5	Limit
WS	15:35:40	Flood	DO	5.21	5.9	5.5	Limit
WS	15:40:40	Flood	DO	5.24	5.9	5.5	Limit
WS	15:45:40	Flood	DO	5.17	5.9	5.5	Limit
WS	15:50:40	Flood	DO	5.19	5.9	5.5	Limit
WS	15:55:40	Flood	DO	5.13	5.9	5.5	Limit
WS	16:00:40	Flood	DO	4.94	5.9	5.5	Limit
WS	16:05:40	Flood	DO	4.85	5.9	5.5	Limit
WS	16:10:40	Flood	DO	4.83	5.9	5.5	Limit
WS	16:15:40	Flood	DO	4.92	5.9	5.5	Limit
WS	16:20:40	Flood	DO	4.98	5.9	5.5	Limit
WS	16:25:40	Flood	DO	4.82	5.9	5.5	Limit
WS	16:30:40	Flood	DO	4.75	5.9	5.5	Limit
WS	16:35:40	Flood	DO	5.07	5.9	5.5	Limit
WS	16:40:40	Ebb	DO	5.12	5.9	5.5	Limit
WS	16:45:40	Ebb	DO	4.73	5.9	5.5	Limit
WS	16:50:40	Ebb	DO	4.54	5.9	5.5	Limit
WS	16:55:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	17:00:40	Ebb	DO	4.71	5.9	5.5	Limit
WS	17:05:40	Ebb	DO	4.64	5.9	5.5	Limit
WS	17:10:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	17:15:40	Ebb	DO	4.36	5.9	5.5	Limit
WS	17:20:40	Ebb	DO	4.58	5.9	5.5	Limit
WS	17:25:40	Ebb	DO	4.74	5.9	5.5	Limit
WS	17:30:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	17:35:40	Ebb	DO	4.26	5.9	5.5	Limit
WS	17:40:40	Ebb	DO	4.42	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:45:40	Ebb	DO	4.95	5.9	5.5	Limit
WS	17:50:40	Ebb	DO	4.58	5.9	5.5	Limit
WS	17:55:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	18:00:40	Ebb	DO	4.73	5.9	5.5	Limit
WS	18:05:40	Ebb	DO	4.88	5.9	5.5	Limit
WS	18:10:40	Ebb	DO	4.63	5.9	5.5	Limit
WS	18:15:40	Ebb	DO	4.43	5.9	5.5	Limit
WS	18:20:40	Ebb	DO	4.5	5.9	5.5	Limit
WS	18:25:40	Ebb	DO	4.68	5.9	5.5	Limit
WS	18:30:40	Ebb	DO	4.73	5.9	5.5	Limit
WS	18:35:40	Ebb	DO	4.7	5.9	5.5	Limit
WS	18:40:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	18:45:40	Ebb	DO	4.34	5.9	5.5	Limit
WS	18:50:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	18:55:40	Ebb	DO	4.6	5.9	5.5	Limit
WS	19:00:40	Ebb	DO	4.62	5.9	5.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1 and W2 during the mid-ebb tide were recorded. The exceedances of SS were not likely due to the project since W2 is the control station during ebb tide. The exceedance might be caused by the background condition outside Sum Wan. Events showing exceedances of Limit Level exceedance for DO (surface and middle) W1, W2 and W3 during mid-ebb and W1, W2 and W3 during mid-flood; Limit level exceedance for DO (bottom) at W1, W2 and W3 during mid-ebb were recorded. Exceedances of Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation

Although the exceedances were considered not unlike due to the Project, the Contractor was reminded to implement proper mitigation measures such as regular desilting of the sedimentation facilities and good site house keeping and to check the effectiveness of the mitigation measures. In addition, the Contractor should take preventative measures to avoid the materials/debris on the temporary jetty from flushing into the sea during the high tide days. It was noted that an additional silt curtain had been installed.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40907- DO40902
Monitoring Date 02/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	14:31	Ebb	DO (surface & middle)	6.1	6.3	6.1	Action
W2	14:34	Ebb	DO (surface & middle)	6.1	6.3	6.1	Action
W3	14:38	Ebb	DO (surface & middle)	6.0	6.3	6.1	Limit
W1	07:58	Flood	DO (surface & middle)	6.1	6.4	6.3	Limit
W1	14:31	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W2	14:34	Ebb	DO (bottom)	5.9	6.1	5.9	Action
W3	14:38	Ebb	DO (bottom)	5.9	6.1	5.9	Action
WS	7:00:40	Flood	DO	5.31	5.9	5.5	Limit
WS	7:05:40	Flood	DO	5.31	5.9	5.5	Limit
WS	7:10:40	Flood	DO	5.29	5.9	5.5	Limit
WS	7:15:40	Flood	DO	5.29	5.9	5.5	Limit
WS	7:20:40	Flood	DO	5.27	5.9	5.5	Limit
WS	7:25:40	Flood	DO	5.25	5.9	5.5	Limit
WS	7:30:40	Flood	DO	5.24	5.9	5.5	Limit
WS	7:35:40	Flood	DO	5.24	5.9	5.5	Limit
WS	7:40:40	Flood	DO	5.23	5.9	5.5	Limit
WS	7:45:40	Flood	DO	5.24	5.9	5.5	Limit
WS	7:50:40	Flood	DO	5.27	5.9	5.5	Limit
WS	7:55:40	Flood	DO	5.27	5.9	5.5	Limit
WS	8:00:40	Flood	DO	5.25	5.9	5.5	Limit
WS	8:05:40	Flood	DO	5.24	5.9	5.5	Limit
WS	8:10:40	Flood	DO	5.25	5.9	5.5	Limit
WS	8:15:40	Flood	DO	5.25	5.9	5.5	Limit
WS	8:20:40	Flood	DO	5.24	5.9	5.5	Limit
WS	8:25:40	Flood	DO	5.25	5.9	5.5	Limit
WS	8:30:40	Flood	DO	5.26	5.9	5.5	Limit
WS	8:35:40	Flood	DO	5.26	5.9	5.5	Limit
WS	8:40:40	Flood	DO	5.29	5.9	5.5	Limit
WS	8:45:40	Flood	DO	5.31	5.9	5.5	Limit
WS	8:50:40	Flood	DO	5.33	5.9	5.5	Limit
WS	8:55:40	Flood	DO	5.33	5.9	5.5	Limit
WS	9:00:40	Flood	DO	5.31	5.9	5.5	Limit
WS	9:05:40	Flood	DO	5.31	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	9:10:40	Flood	DO	5.31	5.9	5.5	Limit
WS	9:15:40	Flood	DO	5.31	5.9	5.5	Limit
WS	9:20:40	Flood	DO	5.33	5.9	5.5	Limit
WS	9:25:40	Flood	DO	5.35	5.9	5.5	Limit
WS	9:30:40	Flood	DO	5.36	5.9	5.5	Limit
WS	9:35:40	Flood	DO	5.36	5.9	5.5	Limit
WS	9:40:40	Flood	DO	5.37	5.9	5.5	Limit
WS	9:45:40	Flood	DO	5.38	5.9	5.5	Limit
WS	9:50:40	Flood	DO	5.37	5.9	5.5	Limit
WS	9:55:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:00:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:05:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:10:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:15:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:20:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:25:40	Flood	DO	5.36	5.9	5.5	Limit
WS	10:30:40	Flood	DO	5.36	5.9	5.5	Limit
WS	10:35:40	Flood	DO	5.36	5.9	5.5	Limit
WS	10:40:40	Flood	DO	5.35	5.9	5.5	Limit
WS	10:45:40	Flood	DO	5.35	5.9	5.5	Limit
WS	10:50:40	Flood	DO	5.35	5.9	5.5	Limit
WS	10:55:40	Flood	DO	5.35	5.9	5.5	Limit
WS	11:00:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:05:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:10:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:15:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:20:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:25:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:30:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:35:40	Flood	DO	5.36	5.9	5.5	Limit
WS	11:40:40	Flood	DO	5.37	5.9	5.5	Limit
WS	11:45:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	11:50:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	11:55:40	Ebb	DO	5.36	5.9	5.5	Limit
WS	12:00:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	12:05:40	Ebb	DO	5.38	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:10:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	12:15:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	12:20:40	Ebb	DO	5.42	5.9	5.5	Limit
WS	12:25:40	Ebb	DO	5.44	5.9	5.5	Limit
WS	12:30:40	Ebb	DO	5.45	5.9	5.5	Limit
WS	12:35:40	Ebb	DO	5.45	5.9	5.5	Limit
WS	12:40:40	Ebb	DO	5.46	5.9	5.5	Limit
WS	12:45:40	Ebb	DO	5.45	5.9	5.5	Limit
WS	12:50:40	Ebb	DO	5.45	5.9	5.5	Limit
WS	12:55:40	Ebb	DO	5.45	5.9	5.5	Limit
WS	13:00:40	Ebb	DO	5.43	5.9	5.5	Limit
WS	13:05:40	Ebb	DO	5.44	5.9	5.5	Limit
WS	13:10:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	13:15:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	13:20:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	13:25:40	Ebb	DO	5.43	5.9	5.5	Limit
WS	13:30:40	Ebb	DO	5.42	5.9	5.5	Limit
WS	13:35:40	Ebb	DO	5.42	5.9	5.5	Limit
WS	13:40:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	13:45:40	Ebb	DO	5.38	5.9	5.5	Limit
WS	13:50:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	13:55:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	14:00:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:05:40	Ebb	DO	5.38	5.9	5.5	Limit
WS	14:10:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:15:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:20:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:25:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:30:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	14:35:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	14:40:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	14:45:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	14:50:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	14:55:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:00:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:05:40	Ebb	DO	5.4	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:10:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:15:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:20:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:25:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	15:30:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	15:35:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	15:40:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	15:45:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	15:50:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	15:55:40	Ebb	DO	5.38	5.9	5.5	Limit
WS	16:00:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	16:05:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	16:10:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	16:15:40	Ebb	DO	5.38	5.9	5.5	Limit
WS	16:20:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	16:25:40	Ebb	DO	5.34	5.9	5.5	Limit
WS	16:30:40	Ebb	DO	5.33	5.9	5.5	Limit
WS	16:35:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	16:40:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	16:45:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	16:50:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	16:55:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	17:00:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	17:05:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:10:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:15:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:20:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:25:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	17:30:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	17:35:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:40:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	17:45:40	Flood	DO	5.31	5.9	5.5	Limit
WS	17:50:40	Flood	DO	5.31	5.9	5.5	Limit
WS	17:55:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:00:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.31	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	18:10:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:15:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:20:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:25:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:30:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:35:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:50:40	Flood	DO	5.31	5.9	5.5	Limit
WS	18:55:40	Flood	DO	5.3	5.9	5.5	Limit
WS	19:00:40	Flood	DO	5.29	5.9	5.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Action Level exceedances for DO (surface and middle) W1 and W2 during mid-ebb, and Limit Level exceedance for DO (surface and middle) at W3 during mid-ebb and W1 during mid-flood; Action level exceedance for DO (bottom) at W1, W2 and W3 during mid-ebb were recorded. Exceedances of Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered not unlike due to the Project, the Contractor was reminded to implement proper mitigation measures such as regular desilting of the sedimentation facilities and good site house keeping and to check the effectiveness of the mitigation measures. In addition, the Contractor should take preventative measures to avoid the materials/debris on the temporary jetty from flushing into the sea during the high tide days. It was noted that an additional silt curtain had been installed.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40915-SS40915

Monitoring Date 7/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	7:16	Ebb	SS	11.1	9.9	10.5	Limit
W2	7:10	Ebb	SS	10.3	9.9	10.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1 and Action level at W2 during the mid-ebb tide were recorded. The exceedances might be caused by the project works as the installed silt curtain has been damaged.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
The Contractor was recommended to repair the damaged silt curtain immediately, and was reminded to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and maintain measures properly.
(f) Contractor's comment

Report No. 40915-SS40908

Monitoring Date 8/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	8:01	Ebb	SS	30.6	9.9	10.5	Limit
W2	8:02	Ebb	SS	12.8	9.9	10.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1 and W2 during the mid-ebb tide were recorded. The exceedances might be caused by the project works as the installed silt curtain has been damaged.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
The Contractor was recommended to repair the damaged silt curtain immediately, and was reminded to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40917- SS&DO40909

Monitoring Date 09/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	09:21	Ebb	SS	22.7	9.9	10.5	Limit
W2	09:24	Ebb	SS	15.6	9.9	10.5	Limit
W2	20:29	Flood	SS	27.4	17.7	20.1	Limit
W3	20:32	Flood	SS	26.4	17.7	20.1	Limit
W3	09:28	Ebb	DO (surface & middle)	5.6	6.3	6.1	Limit
W2	20:29	Flood	DO (surface & middle)	3.6	6.4	6.3	Limit
W3	20:32	Flood	DO (surface & middle)	5.1	6.4	6.3	Limit
W1	09:21	Ebb	DO (bottom)	5.6	6.1	5.9	Limit
W3	09:28	Ebb	DO (bottom)	4.9	6.1	5.9	Limit
W2	20:29	Flood	DO (bottom)	3.8	4.1	3.6	Action
W3	20:32	Flood	DO (bottom)	3.5	4.1	3.6	Limit
WS	7:00:40	Ebb	DO	4.67	5.9	5.5	Limit
WS	7:05:40	Ebb	DO	4.62	5.9	5.5	Limit
WS	7:10:40	Ebb	DO	4.61	5.9	5.5	Limit
WS	7:15:40	Ebb	DO	4.6	5.9	5.5	Limit
WS	7:20:40	Ebb	DO	4.59	5.9	5.5	Limit
WS	7:25:40	Ebb	DO	4.6	5.9	5.5	Limit
WS	7:30:40	Ebb	DO	4.54	5.9	5.5	Limit
WS	7:35:40	Ebb	DO	4.49	5.9	5.5	Limit
WS	7:40:40	Ebb	DO	4.55	5.9	5.5	Limit
WS	7:45:40	Ebb	DO	4.55	5.9	5.5	Limit
WS	7:50:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	7:55:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	8:00:40	Ebb	DO	4.49	5.9	5.5	Limit
WS	8:05:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	8:10:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	8:15:40	Ebb	DO	4.38	5.9	5.5	Limit
WS	8:20:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	8:25:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	8:30:40	Ebb	DO	4.47	5.9	5.5	Limit
WS	8:35:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	8:40:40	Ebb	DO	4.5	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	8:45:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	8:50:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	8:55:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	9:00:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	9:05:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	9:10:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	9:15:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	9:20:40	Ebb	DO	4.43	5.9	5.5	Limit
WS	9:25:40	Ebb	DO	4.42	5.9	5.5	Limit
WS	9:30:40	Ebb	DO	4.4	5.9	5.5	Limit
WS	9:35:40	Ebb	DO	4.4	5.9	5.5	Limit
WS	9:40:40	Ebb	DO	4.39	5.9	5.5	Limit
WS	9:45:40	Ebb	DO	4.38	5.9	5.5	Limit
WS	9:50:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	9:55:40	Ebb	DO	4.36	5.9	5.5	Limit
WS	10:00:40	Ebb	DO	4.36	5.9	5.5	Limit
WS	10:05:40	Ebb	DO	4.34	5.9	5.5	Limit
WS	10:10:40	Ebb	DO	4.34	5.9	5.5	Limit
WS	10:15:40	Ebb	DO	4.33	5.9	5.5	Limit
WS	10:20:40	Ebb	DO	4.33	5.9	5.5	Limit
WS	10:25:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	10:30:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	10:35:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	10:40:40	Ebb	DO	4.28	5.9	5.5	Limit
WS	10:45:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	10:50:40	Ebb	DO	4.3	5.9	5.5	Limit
WS	10:55:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	11:00:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	11:05:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	11:10:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	11:15:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	11:20:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	11:25:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	11:30:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	11:35:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	11:40:40	Ebb	DO	4.23	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	11:45:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	11:50:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	11:55:40	Ebb	DO	4.2	5.9	5.5	Limit
WS	12:00:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	12:05:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	12:10:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	12:15:40	Ebb	DO	4.18	5.9	5.5	Limit
WS	12:20:40	Ebb	DO	4.19	5.9	5.5	Limit
WS	12:25:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	12:30:40	Ebb	DO	4.26	5.9	5.5	Limit
WS	12:35:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	12:40:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	12:45:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	12:50:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	12:55:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	13:00:40	Ebb	DO	4.19	5.9	5.5	Limit
WS	13:05:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	13:10:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	13:15:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	13:20:40	Ebb	DO	4.15	5.9	5.5	Limit
WS	13:25:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	13:30:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	13:35:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	13:40:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	13:45:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	13:50:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	13:55:40	Ebb	DO	4.2	5.9	5.5	Limit
WS	14:00:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	14:05:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:10:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:15:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:20:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:25:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:30:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:35:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:40:40	Flood	DO	4.2	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	14:45:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:50:40	Flood	DO	4.2	5.9	5.5	Limit
WS	14:55:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:00:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:05:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:10:40	Flood	DO	4.22	5.9	5.5	Limit
WS	15:15:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:20:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:25:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:30:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:35:40	Flood	DO	4.21	5.9	5.5	Limit
WS	15:40:40	Flood	DO	4.22	5.9	5.5	Limit
WS	15:45:40	Flood	DO	4.22	5.9	5.5	Limit
WS	15:50:40	Flood	DO	4.22	5.9	5.5	Limit
WS	15:55:40	Flood	DO	4.22	5.9	5.5	Limit
WS	16:00:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:05:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:10:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:15:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:20:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:25:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:30:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:35:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:40:40	Flood	DO	4.22	5.9	5.5	Limit
WS	16:45:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:50:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:55:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:00:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:05:40	Flood	DO	4.24	5.9	5.5	Limit
WS	17:10:40	Flood	DO	4.24	5.9	5.5	Limit
WS	17:15:40	Flood	DO	4.24	5.9	5.5	Limit
WS	17:20:40	Flood	DO	4.25	5.9	5.5	Limit
WS	17:25:40	Flood	DO	4.25	5.9	5.5	Limit
WS	17:30:40	Flood	DO	4.25	5.9	5.5	Limit
WS	17:35:40	Flood	DO	4.26	5.9	5.5	Limit
WS	17:40:40	Flood	DO	4.25	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:45:40	Flood	DO	4.26	5.9	5.5	Limit
WS	17:50:40	Flood	DO	4.26	5.9	5.5	Limit
WS	17:55:40	Flood	DO	4.27	5.9	5.5	Limit
WS	18:00:40	Flood	DO	4.27	5.9	5.5	Limit
WS	18:05:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:10:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:15:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:20:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:25:40	Flood	DO	4.27	5.9	5.5	Limit
WS	18:30:40	Flood	DO	4.27	5.9	5.5	Limit
WS	18:35:40	Flood	DO	4.27	5.9	5.5	Limit
WS	18:40:40	Flood	DO	4.28	5.9	5.5	Limit
WS	18:45:40	Flood	DO	4.29	5.9	5.5	Limit
WS	18:50:40	Flood	DO	4.3	5.9	5.5	Limit
WS	18:55:40	Flood	DO	4.3	5.9	5.5	Limit
WS	19:00:40	Flood	DO	4.3	5.9	5.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1 and W2 during the mid-ebb tide, and at W2 and W3 during the mid-flood tide were recorded. The exceedances of SS during mid-ebb tide were likely due to the project works as the installed silt curtain has been damaged. The exceedances during mid-flood tide were not likely due to the project since W3 is the control station during flood tide. The exceedance might be caused by the background condition outside Sum Wan. Events showing exceedances of Limit Level exceedance for DO (surface and middle) W3 during mid-ebb and W2 and W3 during mid-flood; Limit level exceedance for DO (bottom) at W1 and W3 during mid-ebb and W3 during mid-flood, and Action Level at W2 during mid-flood were recorded. Exceedances of Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.

(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered not unlike due to the Project, the Contractor was reminded to implement proper mitigation measures such as regular desilting of the sedimentation facilities and good site house keeping and to check the effectiveness of the mitigation measures. In addition, the Contractor should take preventative measures to avoid the materials/debris on the temporary jetty from flushing into the sea during the high tide days. It was noted that an additional silt curtain had been installed.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40917- SS&DO40913

Monitoring Date 13/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	11:33	Ebb	SS	14.8	9.9	10.5	Limit
W2	11:26	Ebb	SS	12.6	9.9	10.5	Limit
W3	11:29	Ebb	SS	16.6	9.9	10.5	Limit
WS	7:05:40	Flood	DO	5.85	5.9	5.5	Action
WS	7:30:40	Flood	DO	5.87	5.9	5.5	Action
WS	7:45:40	Flood	DO	5.9	5.9	5.5	Action
WS	8:45:40	Ebb	DO	5.9	5.9	5.5	Action
WS	13:20:40	Ebb	DO	5.77	5.9	5.5	Action
WS	13:25:40	Ebb	DO	5.75	5.9	5.5	Action
WS	13:30:40	Ebb	DO	5.76	5.9	5.5	Action
WS	13:35:40	Ebb	DO	5.69	5.9	5.5	Action
WS	13:40:40	Ebb	DO	5.7	5.9	5.5	Action
WS	13:45:40	Ebb	DO	5.75	5.9	5.5	Action
WS	13:50:40	Ebb	DO	5.75	5.9	5.5	Action
WS	13:55:40	Ebb	DO	5.8	5.9	5.5	Action
WS	14:00:40	Ebb	DO	5.81	5.9	5.5	Action
WS	14:05:40	Ebb	DO	5.8	5.9	5.5	Action
WS	14:10:40	Ebb	DO	5.77	5.9	5.5	Action
WS	14:15:40	Ebb	DO	5.77	5.9	5.5	Action
WS	14:20:40	Ebb	DO	5.78	5.9	5.5	Action
WS	14:25:40	Ebb	DO	5.82	5.9	5.5	Action
WS	14:30:40	Ebb	DO	5.86	5.9	5.5	Action
WS	14:35:40	Ebb	DO	5.76	5.9	5.5	Action
WS	14:40:40	Ebb	DO	5.71	5.9	5.5	Action
WS	14:45:40	Ebb	DO	5.74	5.9	5.5	Action
WS	14:50:40	Ebb	DO	5.64	5.9	5.5	Action
WS	14:55:40	Ebb	DO	5.73	5.9	5.5	Action
WS	15:00:40	Ebb	DO	5.71	5.9	5.5	Action
WS	15:05:40	Ebb	DO	5.65	5.9	5.5	Action
WS	15:10:40	Ebb	DO	5.74	5.9	5.5	Action
WS	15:15:40	Ebb	DO	5.71	5.9	5.5	Action
WS	15:20:40	Ebb	DO	5.74	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:25:40	Ebb	DO	5.9	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.
1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 and W3 during the mid-ebb tide were recorded. The exceedances of SS during mid-ebb tide were likely due to the project works as the installed silt curtain has been damaged. Exceedances of Action level for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
The Contractor was recommended to repair the damaged silt curtain immediately, and was reminded to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40921- SS&DO40914

Monitoring Date 14/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:48	Ebb	SS	10.6	9.9	10.5	Limit
W2	12:41	Ebb	SS	11.2	9.9	10.5	Limit
W3	12:44	Ebb	SS	11.1	9.9	10.5	Limit
WS	7:00:40	Flood	DO	3.93	5.9	5.5	Limit
WS	7:05:40	Flood	DO	3.93	5.9	5.5	Limit
WS	7:10:40	Flood	DO	3.94	5.9	5.5	Limit
WS	7:15:40	Flood	DO	3.93	5.9	5.5	Limit
WS	7:20:40	Flood	DO	3.93	5.9	5.5	Limit
WS	7:25:40	Flood	DO	3.93	5.9	5.5	Limit
WS	7:30:40	Flood	DO	3.92	5.9	5.5	Limit
WS	7:35:40	Flood	DO	3.92	5.9	5.5	Limit
WS	7:40:40	Flood	DO	3.91	5.9	5.5	Limit
WS	7:45:40	Flood	DO	3.91	5.9	5.5	Limit
WS	7:50:40	Flood	DO	3.9	5.9	5.5	Limit
WS	7:55:40	Flood	DO	3.89	5.9	5.5	Limit
WS	8:00:40	Flood	DO	3.87	5.9	5.5	Limit
WS	8:05:40	Flood	DO	4.01	5.9	5.5	Limit
WS	8:10:40	Flood	DO	4.01	5.9	5.5	Limit
WS	8:15:40	Flood	DO	4.01	5.9	5.5	Limit
WS	8:20:40	Flood	DO	4.01	5.9	5.5	Limit
WS	8:25:40	Flood	DO	4.01	5.9	5.5	Limit
WS	10:10:40	Ebb	DO	5.85	5.9	5.5	Action
WS	10:15:40	Ebb	DO	5.77	5.9	5.5	Action
WS	10:20:40	Ebb	DO	5.69	5.9	5.5	Action
WS	10:25:40	Ebb	DO	5.6	5.9	5.5	Action
WS	10:30:40	Ebb	DO	5.52	5.9	5.5	Action
WS	10:35:40	Ebb	DO	5.46	5.9	5.5	Limit
WS	10:40:40	Ebb	DO	5.4	5.9	5.5	Limit
WS	10:45:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	10:50:40	Ebb	DO	5.27	5.9	5.5	Limit
WS	10:55:40	Ebb	DO	5.21	5.9	5.5	Limit
WS	11:00:40	Ebb	DO	5.17	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	11:05:40	Ebb	DO	5.12	5.9	5.5	Limit
WS	11:10:40	Ebb	DO	5.07	5.9	5.5	Limit
WS	11:15:40	Ebb	DO	5.02	5.9	5.5	Limit
WS	11:20:40	Ebb	DO	4.98	5.9	5.5	Limit
WS	11:25:40	Ebb	DO	4.93	5.9	5.5	Limit
WS	11:30:40	Ebb	DO	4.9	5.9	5.5	Limit
WS	11:35:40	Ebb	DO	4.86	5.9	5.5	Limit
WS	11:40:40	Ebb	DO	4.82	5.9	5.5	Limit
WS	11:45:40	Ebb	DO	4.78	5.9	5.5	Limit
WS	11:50:40	Ebb	DO	4.75	5.9	5.5	Limit
WS	11:55:40	Ebb	DO	4.71	5.9	5.5	Limit
WS	12:00:40	Ebb	DO	4.68	5.9	5.5	Limit
WS	12:05:40	Ebb	DO	4.65	5.9	5.5	Limit
WS	12:10:40	Ebb	DO	4.63	5.9	5.5	Limit
WS	12:15:40	Ebb	DO	4.6	5.9	5.5	Limit
WS	12:20:40	Ebb	DO	4.58	5.9	5.5	Limit
WS	12:25:40	Ebb	DO	4.55	5.9	5.5	Limit
WS	12:30:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	12:35:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	12:40:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	12:45:40	Ebb	DO	4.47	5.9	5.5	Limit
WS	12:50:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	12:55:40	Ebb	DO	4.43	5.9	5.5	Limit
WS	13:00:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	13:05:40	Ebb	DO	4.4	5.9	5.5	Limit
WS	13:10:40	Ebb	DO	4.38	5.9	5.5	Limit
WS	13:15:40	Ebb	DO	4.38	5.9	5.5	Limit
WS	13:20:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	13:25:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	13:30:40	Ebb	DO	4.34	5.9	5.5	Limit
WS	13:35:40	Ebb	DO	4.33	5.9	5.5	Limit
WS	13:40:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	13:45:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	13:50:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	13:55:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	14:00:40	Ebb	DO	4.29	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	14:05:40	Ebb	DO	4.3	5.9	5.5	Limit
WS	14:10:40	Ebb	DO	4.3	5.9	5.5	Limit
WS	14:15:40	Ebb	DO	4.3	5.9	5.5	Limit
WS	14:20:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	14:25:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	14:30:40	Ebb	DO	4.26	5.9	5.5	Limit
WS	14:35:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	14:40:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	14:45:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	14:50:40	Ebb	DO	4.21	5.9	5.5	Limit
WS	14:55:40	Ebb	DO	4.19	5.9	5.5	Limit
WS	15:00:40	Ebb	DO	4.19	5.9	5.5	Limit
WS	15:05:40	Ebb	DO	4.18	5.9	5.5	Limit
WS	15:10:40	Ebb	DO	4.16	5.9	5.5	Limit
WS	15:15:40	Ebb	DO	4.15	5.9	5.5	Limit
WS	15:20:40	Ebb	DO	4.13	5.9	5.5	Limit
WS	15:25:40	Ebb	DO	4.11	5.9	5.5	Limit
WS	15:30:40	Ebb	DO	4.11	5.9	5.5	Limit
WS	15:35:40	Ebb	DO	4.11	5.9	5.5	Limit
WS	15:40:40	Ebb	DO	4.11	5.9	5.5	Limit
WS	15:45:40	Ebb	DO	4.1	5.9	5.5	Limit
WS	15:50:40	Flood	DO	4.09	5.9	5.5	Limit
WS	15:55:40	Flood	DO	4.09	5.9	5.5	Limit
WS	16:00:40	Flood	DO	4.09	5.9	5.5	Limit
WS	16:05:40	Flood	DO	4.08	5.9	5.5	Limit
WS	16:10:40	Flood	DO	4.08	5.9	5.5	Limit
WS	16:15:40	Flood	DO	4.08	5.9	5.5	Limit
WS	16:20:40	Flood	DO	4.07	5.9	5.5	Limit
WS	16:25:40	Flood	DO	4.07	5.9	5.5	Limit
WS	16:30:40	Flood	DO	4.06	5.9	5.5	Limit
WS	16:35:40	Flood	DO	4.02	5.9	5.5	Limit
WS	16:40:40	Flood	DO	4	5.9	5.5	Limit
WS	16:45:40	Flood	DO	4	5.9	5.5	Limit
WS	16:50:40	Flood	DO	4.02	5.9	5.5	Limit
WS	16:55:40	Flood	DO	4.02	5.9	5.5	Limit
WS	17:00:40	Flood	DO	4.02	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:05:40	Flood	DO	4.02	5.9	5.5	Limit
WS	17:10:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:15:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:20:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:25:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:30:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:35:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:40:40	Flood	DO	4.01	5.9	5.5	Limit
WS	17:45:40	Flood	DO	4	5.9	5.5	Limit
WS	17:50:40	Flood	DO	4	5.9	5.5	Limit
WS	17:55:40	Flood	DO	3.99	5.9	5.5	Limit
WS	18:00:40	Flood	DO	3.99	5.9	5.5	Limit
WS	18:05:40	Flood	DO	3.99	5.9	5.5	Limit
WS	18:10:40	Flood	DO	3.98	5.9	5.5	Limit
WS	18:15:40	Flood	DO	3.98	5.9	5.5	Limit
WS	18:20:40	Flood	DO	3.98	5.9	5.5	Limit
WS	18:25:40	Flood	DO	3.97	5.9	5.5	Limit
WS	18:30:40	Flood	DO	3.97	5.9	5.5	Limit
WS	18:35:40	Flood	DO	3.97	5.9	5.5	Limit
WS	18:40:40	Flood	DO	3.95	5.9	5.5	Limit
WS	18:45:40	Flood	DO	3.96	5.9	5.5	Limit
WS	18:50:40	Flood	DO	3.96	5.9	5.5	Limit
WS	18:55:40	Flood	DO	3.95	5.9	5.5	Limit
WS	19:00:40	Flood	DO	3.94	5.9	5.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 and W3 during the mid-ebb tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smallest, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan. Exceedances of Action and Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.

(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40921- SS40915

Monitoring Date 15/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:39	Ebb	SS	17.1	9.9	10.5	Limit
W2	12:36	Ebb	SS	19.8	9.9	10.5	Limit
W3	12:31	Ebb	SS	16.9	9.9	10.5	Limit

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 and W3 during the mid-ebb tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smallest, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40928- SS40920

Monitoring Date 20/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	16:01	Ebb	SS	11.5	9.9	10.5	Limit
W2	16:04	Ebb	SS	10.8	9.9	10.5	Limit
WS	7:10:40	Flood	DO	5.85	5.9	5.5	Action
WS	7:15:40	Flood	DO	5.85	5.9	5.5	Action
WS	7:20:40	Flood	DO	5.81	5.9	5.5	Action
WS	7:25:40	Flood	DO	5.79	5.9	5.5	Action
WS	7:30:40	Flood	DO	5.77	5.9	5.5	Action
WS	7:35:40	Flood	DO	5.77	5.9	5.5	Action
WS	7:40:40	Flood	DO	5.77	5.9	5.5	Action
WS	7:45:40	Flood	DO	5.74	5.9	5.5	Action
WS	7:50:40	Flood	DO	5.72	5.9	5.5	Action
WS	7:55:40	Flood	DO	5.72	5.9	5.5	Action
WS	8:00:40	Flood	DO	5.71	5.9	5.5	Action
WS	8:05:40	Flood	DO	5.7	5.9	5.5	Action
WS	8:10:40	Flood	DO	5.69	5.9	5.5	Action
WS	8:15:40	Flood	DO	5.69	5.9	5.5	Action
WS	8:20:40	Flood	DO	5.68	5.9	5.5	Action
WS	8:25:40	Flood	DO	5.68	5.9	5.5	Action
WS	8:30:40	Flood	DO	5.67	5.9	5.5	Action
WS	8:35:40	Flood	DO	5.67	5.9	5.5	Action
WS	8:40:40	Flood	DO	5.67	5.9	5.5	Action
WS	8:45:40	Flood	DO	5.67	5.9	5.5	Action
WS	8:50:40	Flood	DO	5.67	5.9	5.5	Action
WS	8:55:40	Flood	DO	5.67	5.9	5.5	Action
WS	9:00:40	Flood	DO	5.66	5.9	5.5	Action
WS	9:05:40	Flood	DO	5.65	5.9	5.5	Action
WS	9:10:40	Flood	DO	5.64	5.9	5.5	Action
WS	9:15:40	Flood	DO	5.64	5.9	5.5	Action
WS	9:20:40	Flood	DO	5.63	5.9	5.5	Action
WS	9:25:40	Flood	DO	5.62	5.9	5.5	Action
WS	9:30:40	Flood	DO	5.6	5.9	5.5	Action
WS	9:35:40	Flood	DO	5.6	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	9:40:40	Flood	DO	5.59	5.9	5.5	Action
WS	9:45:40	Flood	DO	5.6	5.9	5.5	Action
WS	9:50:40	Flood	DO	5.6	5.9	5.5	Action
WS	9:55:40	Flood	DO	5.6	5.9	5.5	Action
WS	10:00:40	Flood	DO	5.59	5.9	5.5	Action
WS	10:05:40	Flood	DO	5.57	5.9	5.5	Action
WS	10:10:40	Flood	DO	5.57	5.9	5.5	Action
WS	10:15:40	Flood	DO	5.57	5.9	5.5	Action
WS	10:20:40	Flood	DO	5.54	5.9	5.5	Action
WS	10:25:40	Flood	DO	5.51	5.9	5.5	Action
WS	10:30:40	Flood	DO	5.47	5.9	5.5	Limit
WS	10:35:40	Flood	DO	5.44	5.9	5.5	Limit
WS	10:40:40	Flood	DO	5.37	5.9	5.5	Limit
WS	10:45:40	Flood	DO	5.36	5.9	5.5	Limit
WS	10:50:40	Flood	DO	5.36	5.9	5.5	Limit
WS	10:55:40	Flood	DO	5.32	5.9	5.5	Limit
WS	11:00:40	Flood	DO	5.28	5.9	5.5	Limit
WS	11:05:40	Flood	DO	5.26	5.9	5.5	Limit
WS	11:10:40	Flood	DO	5.24	5.9	5.5	Limit
WS	11:15:40	Flood	DO	5.24	5.9	5.5	Limit
WS	11:20:40	Flood	DO	5.21	5.9	5.5	Limit
WS	11:25:40	Flood	DO	5.18	5.9	5.5	Limit
WS	11:30:40	Flood	DO	5.16	5.9	5.5	Limit
WS	11:35:40	Flood	DO	5.15	5.9	5.5	Limit
WS	11:40:40	Flood	DO	5.12	5.9	5.5	Limit
WS	11:45:40	Flood	DO	5.08	5.9	5.5	Limit
WS	11:50:40	Flood	DO	5.01	5.9	5.5	Limit
WS	12:00:40	Flood	DO	5.85	5.9	5.5	Action
WS	12:05:40	Flood	DO	5.85	5.9	5.5	Action
WS	12:10:40	Flood	DO	5.81	5.9	5.5	Action
WS	12:15:40	Flood	DO	5.79	5.9	5.5	Action
WS	12:20:40	Flood	DO	5.77	5.9	5.5	Action
WS	12:25:40	Flood	DO	5.77	5.9	5.5	Action
WS	12:30:40	Flood	DO	5.77	5.9	5.5	Action
WS	12:35:40	Flood	DO	5.74	5.9	5.5	Action
WS	12:40:40	Flood	DO	5.72	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:45:40	Flood	DO	5.72	5.9	5.5	Action
WS	12:50:40	Flood	DO	5.71	5.9	5.5	Action
WS	12:55:40	Flood	DO	5.7	5.9	5.5	Action
WS	13:00:40	Flood	DO	5.69	5.9	5.5	Action
WS	13:05:40	Flood	DO	5.69	5.9	5.5	Action
WS	13:10:40	Flood	DO	5.68	5.9	5.5	Action
WS	13:15:40	Flood	DO	5.6	5.9	5.5	Action
WS	13:20:40	Flood	DO	5.59	5.9	5.5	Action
WS	13:25:40	Flood	DO	5.57	5.9	5.5	Action
WS	13:30:40	Flood	DO	5.57	5.9	5.5	Action
WS	13:35:40	Flood	DO	5.57	5.9	5.5	Action
WS	13:40:40	Flood	DO	5.54	5.9	5.5	Action
WS	13:45:40	Flood	DO	5.51	5.9	5.5	Action
WS	13:50:40	Flood	DO	5.47	5.9	5.5	Limit
WS	13:55:40	Flood	DO	5.44	5.9	5.5	Limit
WS	14:00:40	Flood	DO	5.37	5.9	5.5	Limit
WS	14:05:40	Flood	DO	5.36	5.9	5.5	Limit
WS	14:10:40	Flood	DO	5.36	5.9	5.5	Limit
WS	14:15:40	Flood	DO	5.32	5.9	5.5	Limit
WS	14:20:40	Flood	DO	5.28	5.9	5.5	Limit
WS	14:25:40	Flood	DO	5.26	5.9	5.5	Limit
WS	14:30:40	Flood	DO	5.24	5.9	5.5	Limit
WS	14:35:40	Flood	DO	5.24	5.9	5.5	Limit
WS	14:40:40	Ebb	DO	5.21	5.9	5.5	Limit
WS	14:45:40	Ebb	DO	5.18	5.9	5.5	Limit
WS	14:50:40	Ebb	DO	5.16	5.9	5.5	Limit
WS	14:55:40	Ebb	DO	5.15	5.9	5.5	Limit
WS	15:00:40	Ebb	DO	5.12	5.9	5.5	Limit
WS	15:05:40	Ebb	DO	5.08	5.9	5.5	Limit
WS	15:10:40	Ebb	DO	5.01	5.9	5.5	Limit
WS	15:20:40	Ebb	DO	5.85	5.9	5.5	Action
WS	15:25:40	Ebb	DO	5.85	5.9	5.5	Action
WS	15:30:40	Ebb	DO	5.81	5.9	5.5	Action
WS	15:35:40	Ebb	DO	5.79	5.9	5.5	Action
WS	15:40:40	Ebb	DO	5.85	5.9	5.5	Action
WS	15:45:40	Ebb	DO	5.85	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:50:40	Ebb	DO	5.81	5.9	5.5	Action
WS	15:55:40	Ebb	DO	5.79	5.9	5.5	Action
WS	16:00:40	Ebb	DO	5.77	5.9	5.5	Action
WS	16:05:40	Ebb	DO	5.77	5.9	5.5	Action
WS	16:10:40	Ebb	DO	5.77	5.9	5.5	Action
WS	16:15:40	Ebb	DO	5.74	5.9	5.5	Action
WS	16:20:40	Ebb	DO	5.72	5.9	5.5	Action
WS	16:25:40	Ebb	DO	5.72	5.9	5.5	Action
WS	16:30:40	Ebb	DO	5.71	5.9	5.5	Action
WS	16:35:40	Ebb	DO	5.7	5.9	5.5	Action
WS	16:40:40	Ebb	DO	5.69	5.9	5.5	Action
WS	16:45:40	Ebb	DO	5.69	5.9	5.5	Action
WS	16:50:40	Ebb	DO	5.68	5.9	5.5	Action
WS	16:55:40	Ebb	DO	5.68	5.9	5.5	Action
WS	17:00:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:05:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:10:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:15:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:20:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:25:40	Ebb	DO	5.67	5.9	5.5	Action
WS	17:30:40	Ebb	DO	5.44	5.9	5.5	Limit
WS	17:35:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	17:40:40	Ebb	DO	5.36	5.9	5.5	Limit
WS	17:45:40	Ebb	DO	5.36	5.9	5.5	Limit
WS	17:50:40	Ebb	DO	5.32	5.9	5.5	Limit
WS	17:55:40	Ebb	DO	5.28	5.9	5.5	Limit
WS	18:00:40	Ebb	DO	5.26	5.9	5.5	Limit
WS	18:05:40	Ebb	DO	5.24	5.9	5.5	Limit
WS	18:10:40	Ebb	DO	5.24	5.9	5.5	Limit
WS	18:15:40	Ebb	DO	5.21	5.9	5.5	Limit
WS	18:20:40	Ebb	DO	5.18	5.9	5.5	Limit
WS	18:25:40	Flood	DO	5.16	5.9	5.5	Limit
WS	18:30:40	Flood	DO	5.15	5.9	5.5	Limit
WS	18:35:40	Flood	DO	5.12	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.08	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.01	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	18:55:40	Flood	DO	5.85	5.9	5.5	Action
WS	19:00:40	Flood	DO	5.85	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.
1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1 and W2 during the mid-ebb tide were recorded. The exceedances of SS during mid-ebb tide might be due to the project works as the installed silt curtain has been damaged. The exceedances might also be caused by the background condition outside Sum Wan. Exceedances of Action and Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
The Contractor was recommended to repair the damaged silt curtain immediately, and was reminded to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 40928- SS&DO40921

Monitoring Date 21/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	17:01	Ebb	SS	32.7	9.9	10.5	Limit
W2	17:05	Ebb	SS	41.1	9.9	10.5	Limit
W3	11:54	Flood	SS	28.9	17.7	20.1	Limit
W1	17:01	Ebb	DO (surface & middle)	6.1	6.3	6.1	Action
W2	17:05	Ebb	DO (surface & middle)	6.1	6.3	6.1	Action
W1	11:58	Flood	DO (surface & middle)	6.1	6.4	6.3	Limit
W2	11:51	Flood	DO (surface & middle)	6.3	6.4	6.3	Limit
W3	11:54	Flood	DO (surface & middle)	6.3	6.4	6.3	Limit
W1	17:01	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W2	17:05	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W3	17:08	Ebb	DO (bottom)	5.9	6.1	5.9	Action
WS	18:35:40	Flood	DO	5.83	5.9	5.5	Action
WS	18:40:40	Flood	DO	5.85	5.9	5.5	Action
WS	18:45:40	Flood	DO	5.86	5.9	5.5	Action
WS	18:50:40	Flood	DO	5.86	5.9	5.5	Action
WS	18:55:40	Flood	DO	5.86	5.9	5.5	Action
WS	19:00:40	Flood	DO	5.86	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 during the mid-ebb tide and at W3 during mid-flood tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smaller than that of the control station W2 during mid-ebb tide, and the W3 is the control station during mid-flood tide, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan. Events showing exceedances of Action Level exceedances for DO (surface and middle) at W1 and W2 during mid-ebb and W2 and W3 during mid-flood; Limit level exceedance for DO (surface and middle) at W1 during mid-flood; and Action Level for DO (bottom) at W1, W2 and W3 during mid-ebb were recorded. Exceedances of Action and Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.

(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 41004- SS&DO40924

Monitoring Date 24/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	08:37	Ebb	SS	32.6	9.9	10.5	Limit
W2	08:46	Ebb	SS	39.0	9.9	10.5	Limit
W3	17:04	Flood	SS	38.8	17.7	20.1	Limit
W1	08:37	Ebb	DO (surface & middle)	6.2	6.3	6.1	Action
W2	08:46	Ebb	DO (surface & middle)	6.2	6.3	6.1	Action
W3	08:58	Ebb	DO (surface & middle)	6.1	6.3	6.1	Action
WS	13:15:40	Flood	DO	5.9	5.9	5.5	Action
WS	13:20:40	Flood	DO	5.89	5.9	5.5	Action
WS	13:25:40	Flood	DO	5.88	5.9	5.5	Action
WS	13:30:40	Flood	DO	5.87	5.9	5.5	Action
WS	13:35:40	Flood	DO	5.88	5.9	5.5	Action
WS	13:40:40	Flood	DO	5.88	5.9	5.5	Action
WS	13:45:40	Flood	DO	5.88	5.9	5.5	Action
WS	13:50:40	Flood	DO	5.87	5.9	5.5	Action
WS	13:55:40	Flood	DO	5.87	5.9	5.5	Action
WS	14:00:40	Flood	DO	5.86	5.9	5.5	Action
WS	14:05:40	Flood	DO	5.86	5.9	5.5	Action
WS	14:10:40	Flood	DO	5.85	5.9	5.5	Action
WS	14:15:40	Flood	DO	5.84	5.9	5.5	Action
WS	14:20:40	Flood	DO	5.83	5.9	5.5	Action
WS	14:25:40	Flood	DO	5.83	5.9	5.5	Action
WS	14:45:40	Flood	DO	5.89	5.9	5.5	Action
WS	15:15:40	Flood	DO	5.88	5.9	5.5	Action
WS	15:20:40	Flood	DO	5.87	5.9	5.5	Action
WS	15:25:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:30:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:35:40	Flood	DO	5.8	5.9	5.5	Action
WS	15:40:40	Flood	DO	5.82	5.9	5.5	Action
WS	15:45:40	Flood	DO	5.79	5.9	5.5	Action
WS	15:50:40	Flood	DO	5.75	5.9	5.5	Action
WS	15:55:40	Flood	DO	5.74	5.9	5.5	Action
WS	16:00:40	Flood	DO	5.8	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	16:05:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:10:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:15:40	Flood	DO	5.87	5.9	5.5	Action
WS	16:20:40	Flood	DO	5.72	5.9	5.5	Action
WS	16:25:40	Flood	DO	5.75	5.9	5.5	Action
WS	16:30:40	Flood	DO	5.72	5.9	5.5	Action
WS	16:35:40	Flood	DO	5.7	5.9	5.5	Action
WS	16:40:40	Flood	DO	5.75	5.9	5.5	Action
WS	16:45:40	Flood	DO	5.71	5.9	5.5	Action
WS	16:50:40	Flood	DO	5.61	5.9	5.5	Action
WS	16:55:40	Flood	DO	5.63	5.9	5.5	Action
WS	17:00:40	Flood	DO	5.67	5.9	5.5	Action
WS	17:05:40	Flood	DO	5.7	5.9	5.5	Action
WS	17:10:40	Flood	DO	5.69	5.9	5.5	Action
WS	17:15:40	Flood	DO	5.67	5.9	5.5	Action
WS	17:20:40	Flood	DO	5.64	5.9	5.5	Action
WS	17:25:40	Flood	DO	5.59	5.9	5.5	Action
WS	17:30:40	Flood	DO	5.54	5.9	5.5	Action
WS	17:35:40	Flood	DO	5.46	5.9	5.5	Limit
WS	17:40:40	Flood	DO	5.38	5.9	5.5	Limit
WS	17:45:40	Flood	DO	5.35	5.9	5.5	Limit
WS	17:50:40	Flood	DO	5.4	5.9	5.5	Limit
WS	17:55:40	Flood	DO	5.41	5.9	5.5	Limit
WS	18:00:40	Flood	DO	5.43	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.41	5.9	5.5	Limit
WS	18:10:40	Flood	DO	5.44	5.9	5.5	Limit
WS	18:15:40	Flood	DO	5.49	5.9	5.5	Limit
WS	18:20:40	Flood	DO	5.46	5.9	5.5	Limit
WS	18:25:40	Flood	DO	5.53	5.9	5.5	Action
WS	18:30:40	Flood	DO	5.55	5.9	5.5	Action
WS	18:35:40	Flood	DO	5.47	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.47	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.43	5.9	5.5	Limit
WS	18:50:40	Flood	DO	5.54	5.9	5.5	Action
WS	18:55:40	Flood	DO	5.45	5.9	5.5	Limit
WS	19:00:40	Flood	DO	5.51	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.
1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 during the mid-ebb tide and at W3 during mid-flood tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smaller than that of the control station W2 during mid-ebb tide, and the W3 is the control station during mid-flood tide, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan. Events showing exceedances of Action Level exceedances for DO (surface and middle) at W1, W2 and W3 during mid-ebb were recorded. Exceedances of Action and Limit levels for DO at WS during the monitoring period were also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 41004- SS, Tur&DO40927

Monitoring Date 27/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	11:34	Ebb	SS	44.9	9.9	10.5	Limit
W2	11:28	Ebb	SS	45.7	9.9	10.5	Limit
W3	18:06	Flood	SS	46.4	17.7	20.1	Limit
W1	11:34	Ebb	Turbidity	19.2	13.4	14.8	Limit
WS	9:55:40	Ebb	DO	5.88	5.9	5.5	Action
WS	10:00:40	Ebb	DO	5.79	5.9	5.5	Action
WS	10:05:40	Ebb	DO	5.66	5.9	5.5	Action
WS	10:15:40	Ebb	DO	5.76	5.9	5.5	Action
WS	10:20:40	Ebb	DO	5.59	5.9	5.5	Action
WS	11:15:40	Ebb	DO	5.77	5.9	5.5	Action
WS	11:20:40	Ebb	DO	5.7	5.9	5.5	Action
WS	11:25:40	Ebb	DO	5.7	5.9	5.5	Action
WS	11:30:40	Ebb	DO	5.57	5.9	5.5	Action
WS	11:35:40	Ebb	DO	5.66	5.9	5.5	Action
WS	11:40:40	Ebb	DO	5.66	5.9	5.5	Action
WS	11:45:40	Ebb	DO	5.84	5.9	5.5	Action
WS	11:50:40	Ebb	DO	5.73	5.9	5.5	Action
WS	11:55:40	Ebb	DO	5.73	5.9	5.5	Action
WS	12:00:40	Ebb	DO	5.7	5.9	5.5	Action
WS	12:05:40	Ebb	DO	5.65	5.9	5.5	Action
WS	12:10:40	Ebb	DO	5.69	5.9	5.5	Action
WS	12:15:40	Ebb	DO	5.75	5.9	5.5	Action
WS	12:25:40	Ebb	DO	5.62	5.9	5.5	Action
WS	12:30:40	Ebb	DO	5.59	5.9	5.5	Action
WS	12:35:40	Ebb	DO	5.63	5.9	5.5	Action
WS	12:50:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:55:40	Ebb	DO	5.54	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 during the mid-ebb tide and at W3 during mid-flood tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smaller than that of the control station W2 during mid-ebb tide, and the W3 is the control station during mid-flood tide, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan. Event showing exceedance of Limit level for turbidity at W1 during the mid-ebb tide was recorded. Similar to SS, the exceedances are unlikely caused by the Project works. Exceedances of Action and Limit levels for DO at WS during the monitoring period also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 41006- SS&DO40928

Monitoring Date 28/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:04	Ebb	SS	20.7	9.9	10.5	Limit
W2	11:57	Ebb	SS	24.3	9.9	10.5	Limit
W3	18:37	Flood	SS	24.1	17.7	20.1	Limit
WS	12:15:40	Ebb	DO	5.78	5.9	5.5	Action
WS	12:50:40	Ebb	DO	5.68	5.9	5.5	Action
WS	13:05:40	Ebb	DO	5.88	5.9	5.5	Action
WS	13:10:40	Ebb	DO	5.72	5.9	5.5	Action
WS	14:15:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:20:40	Ebb	DO	5.79	5.9	5.5	Action
WS	14:25:40	Ebb	DO	5.79	5.9	5.5	Action
WS	14:30:40	Ebb	DO	5.86	5.9	5.5	Action
WS	14:35:40	Ebb	DO	5.82	5.9	5.5	Action
WS	14:40:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:45:40	Ebb	DO	5.81	5.9	5.5	Action
WS	14:50:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:55:40	Ebb	DO	5.84	5.9	5.5	Action
WS	15:00:40	Ebb	DO	5.81	5.9	5.5	Action
WS	15:05:40	Ebb	DO	5.79	5.9	5.5	Action
WS	15:10:40	Ebb	DO	5.76	5.9	5.5	Action
WS	15:15:40	Ebb	DO	5.7	5.9	5.5	Action
WS	15:20:40	Ebb	DO	5.86	5.9	5.5	Action
WS	15:25:40	Ebb	DO	5.75	5.9	5.5	Action
WS	15:30:40	Flood	DO	5.82	5.9	5.5	Action
WS	15:35:40	Flood	DO	5.75	5.9	5.5	Action
WS	15:40:40	Flood	DO	5.74	5.9	5.5	Action
WS	15:45:40	Flood	DO	5.76	5.9	5.5	Action
WS	15:50:40	Flood	DO	5.71	5.9	5.5	Action
WS	15:55:40	Flood	DO	5.8	5.9	5.5	Action
WS	16:00:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:05:40	Flood	DO	5.81	5.9	5.5	Action
WS	16:10:40	Flood	DO	5.86	5.9	5.5	Action
WS	16:15:40	Flood	DO	5.82	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	16:20:40	Flood	DO	5.81	5.9	5.5	Action
WS	16:25:40	Flood	DO	5.78	5.9	5.5	Action
WS	16:30:40	Flood	DO	5.77	5.9	5.5	Action
WS	16:35:40	Flood	DO	5.71	5.9	5.5	Action
WS	16:40:40	Flood	DO	5.7	5.9	5.5	Action
WS	16:45:40	Flood	DO	5.63	5.9	5.5	Action
WS	16:50:40	Flood	DO	5.63	5.9	5.5	Action
WS	16:55:40	Flood	DO	5.67	5.9	5.5	Action
WS	17:00:40	Flood	DO	5.7	5.9	5.5	Action
WS	17:05:40	Flood	DO	5.64	5.9	5.5	Action
WS	17:10:40	Flood	DO	5.6	5.9	5.5	Action
WS	17:15:40	Flood	DO	5.82	5.9	5.5	Action
WS	17:20:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:25:40	Flood	DO	5.85	5.9	5.5	Action
WS	17:30:40	Flood	DO	5.86	5.9	5.5	Action
WS	17:35:40	Flood	DO	5.9	5.9	5.5	Action
WS	17:40:40	Flood	DO	5.89	5.9	5.5	Action
WS	18:00:40	Flood	DO	5.89	5.9	5.5	Action
WS	18:05:40	Flood	DO	5.86	5.9	5.5	Action
WS	18:10:40	Flood	DO	5.83	5.9	5.5	Action
WS	18:15:40	Flood	DO	5.86	5.9	5.5	Action
WS	18:20:40	Flood	DO	5.81	5.9	5.5	Action
WS	18:25:40	Flood	DO	5.73	5.9	5.5	Action
WS	18:30:40	Flood	DO	5.72	5.9	5.5	Action
WS	18:35:40	Flood	DO	5.71	5.9	5.5	Action
WS	18:40:40	Flood	DO	5.76	5.9	5.5	Action
WS	18:45:40	Flood	DO	5.7	5.9	5.5	Action
WS	18:50:40	Flood	DO	5.79	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.

1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 during the mid-ebb tide and at W3 during mid-flood tide were recorded. Since the exceedance at W1, which is the closest to the project, is the smaller than that of the control station W2 during mid-ebb tide, and the W3 is the control station during mid-flood tide, the exceedances of SS were unlikely due to the project. The exceedances might be caused by the background condition outside Sum Wan. Exceedances of Action level for DO at WS during the monitoring period also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances were considered as invalid, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment

Report No. 41006- SS&DO40930

Monitoring Date 30/9/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	13:25	Ebb	SS	25.0	9.9	10.5	Limit
W2	13:31	Ebb	SS	18.1	9.9	10.5	Limit
W3	13:34	Ebb	SS	30.8	9.9	10.5	Limit
W3	07:32	Flood	SS	40.4	17.7	20.1	Limit
WS	11:30:40	Ebb	DO	5.82	5.9	5.5	Action
WS	11:35:40	Ebb	DO	5.88	5.9	5.5	Action
WS	11:40:40	Ebb	DO	5.89	5.9	5.5	Action
WS	11:45:40	Ebb	DO	5.87	5.9	5.5	Action
WS	11:50:40	Ebb	DO	5.86	5.9	5.5	Action
WS	11:55:40	Ebb	DO	5.86	5.9	5.5	Action
WS	12:00:40	Ebb	DO	5.86	5.9	5.5	Action
WS	12:05:40	Ebb	DO	5.83	5.9	5.5	Action
WS	12:10:40	Ebb	DO	5.83	5.9	5.5	Action
WS	12:15:40	Ebb	DO	5.82	5.9	5.5	Action
WS	12:20:40	Ebb	DO	5.83	5.9	5.5	Action
WS	12:25:40	Ebb	DO	5.84	5.9	5.5	Action
WS	12:30:40	Ebb	DO	5.87	5.9	5.5	Action
WS	12:35:40	Ebb	DO	5.89	5.9	5.5	Action
WS	12:40:40	Ebb	DO	5.88	5.9	5.5	Action
WS	12:45:40	Ebb	DO	5.89	5.9	5.5	Action
WS	12:50:40	Ebb	DO	5.85	5.9	5.5	Action
WS	12:55:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:00:40	Ebb	DO	5.82	5.9	5.5	Action
WS	13:05:40	Ebb	DO	5.79	5.9	5.5	Action
WS	13:10:40	Ebb	DO	5.73	5.9	5.5	Action
WS	13:15:40	Ebb	DO	5.77	5.9	5.5	Action
WS	13:20:40	Ebb	DO	5.73	5.9	5.5	Action
WS	13:25:40	Ebb	DO	5.72	5.9	5.5	Action
WS	13:30:40	Ebb	DO	5.69	5.9	5.5	Action
WS	13:35:40	Ebb	DO	5.67	5.9	5.5	Action
WS	13:40:40	Ebb	DO	5.71	5.9	5.5	Action
WS	13:45:40	Ebb	DO	5.68	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	13:50:40	Ebb	DO	5.67	5.9	5.5	Action
WS	13:55:40	Ebb	DO	5.69	5.9	5.5	Action
WS	14:00:40	Ebb	DO	5.68	5.9	5.5	Action
WS	14:05:40	Ebb	DO	5.7	5.9	5.5	Action
WS	14:10:40	Ebb	DO	5.68	5.9	5.5	Action
WS	14:15:40	Ebb	DO	5.65	5.9	5.5	Action
WS	14:20:40	Ebb	DO	5.63	5.9	5.5	Action
WS	14:25:40	Ebb	DO	5.61	5.9	5.5	Action
WS	14:30:40	Ebb	DO	5.58	5.9	5.5	Action
WS	14:35:40	Ebb	DO	5.57	5.9	5.5	Action
WS	14:40:40	Ebb	DO	5.57	5.9	5.5	Action
WS	14:45:40	Ebb	DO	5.58	5.9	5.5	Action
WS	14:50:40	Ebb	DO	5.59	5.9	5.5	Action
WS	14:55:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:00:40	Ebb	DO	5.58	5.9	5.5	Action
WS	15:05:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:10:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:15:40	Ebb	DO	5.62	5.9	5.5	Action
WS	15:20:40	Ebb	DO	5.63	5.9	5.5	Action
WS	15:25:40	Ebb	DO	5.61	5.9	5.5	Action
WS	15:30:40	Ebb	DO	5.61	5.9	5.5	Action
WS	15:35:40	Ebb	DO	5.61	5.9	5.5	Action
WS	15:40:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:45:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:50:40	Ebb	DO	5.62	5.9	5.5	Action
WS	15:55:40	Ebb	DO	5.62	5.9	5.5	Action
WS	16:00:40	Ebb	DO	5.61	5.9	5.5	Action
WS	16:05:40	Ebb	DO	5.61	5.9	5.5	Action
WS	16:10:40	Ebb	DO	5.61	5.9	5.5	Action
WS	16:15:40	Ebb	DO	5.61	5.9	5.5	Action
WS	16:20:40	Flood	DO	5.6	5.9	5.5	Action
WS	16:25:40	Flood	DO	5.6	5.9	5.5	Action
WS	16:30:40	Flood	DO	5.59	5.9	5.5	Action
WS	16:35:40	Flood	DO	5.59	5.9	5.5	Action
WS	16:40:40	Flood	DO	5.6	5.9	5.5	Action
WS	16:45:40	Flood	DO	5.61	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	16:50:40	Flood	DO	5.59	5.9	5.5	Action
WS	16:55:40	Flood	DO	5.61	5.9	5.5	Action
WS	17:00:40	Flood	DO	5.63	5.9	5.5	Action
WS	17:05:40	Flood	DO	5.59	5.9	5.5	Action
WS	17:10:40	Flood	DO	5.59	5.9	5.5	Action
WS	17:15:40	Flood	DO	5.59	5.9	5.5	Action
WS	17:20:40	Flood	DO	5.56	5.9	5.5	Action
WS	17:25:40	Flood	DO	5.56	5.9	5.5	Action
WS	17:30:40	Flood	DO	5.54	5.9	5.5	Action
WS	17:35:40	Flood	DO	5.55	5.9	5.5	Action
WS	17:40:40	Flood	DO	5.52	5.9	5.5	Action
WS	17:45:40	Flood	DO	5.52	5.9	5.5	Action
WS	17:50:40	Flood	DO	5.5	5.9	5.5	Limit
WS	17:55:40	Flood	DO	5.51	5.9	5.5	Action
WS	18:00:40	Flood	DO	5.5	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.5	5.9	5.5	Limit
WS	18:10:40	Flood	DO	5.52	5.9	5.5	Action
WS	18:15:40	Flood	DO	5.55	5.9	5.5	Action
WS	18:20:40	Flood	DO	5.55	5.9	5.5	Action
WS	18:25:40	Flood	DO	5.55	5.9	5.5	Action
WS	18:30:40	Flood	DO	5.54	5.9	5.5	Action
WS	18:35:40	Flood	DO	5.54	5.9	5.5	Action
WS	18:40:40	Flood	DO	5.56	5.9	5.5	Action
WS	18:45:40	Flood	DO	5.55	5.9	5.5	Action
WS	18:50:40	Flood	DO	5.57	5.9	5.5	Action
WS	18:55:40	Flood	DO	5.54	5.9	5.5	Action
WS	19:00:40	Flood	DO	5.6	5.9	5.5	Action

* The units for DO and SS are mg/L, while the unit for turbidity is NTU.
1. W2 is the control station for W3 during the ebb tide.
2. W3 is the control station for W1 and W2 during the flood tide.

Remarks

(a) cause of exceedances
Events showing exceedances of Limit level for SS at W1, W2 and W3 during the mid-ebb tide and at W3 during mid-flood tide were recorded. The exceedances might be caused by the background condition outside Sum Wan and the project works. Exceedances of Action level for DO at WS during the monitoring period also recorded. The exceedances of DO were unlikely due to the Project. It is well understood that the DO decreases with the high water temperature.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, recommend mitigation measures and continue monitoring to confirm findings.
(d) ET's conclusions and recommendations for mitigation
Although the exceedances might be caused by the background condition outside Sum Wan, the Contractor was recommended to repair the damaged silt curtain immediately, and to maintain the implemented mitigation measures regularly.
(e) Contractor's actions to implement the mitigation
Review the on-site activities related to water quality, implement proper mitigation measures and check the effectiveness of the mitigation measures.
(f) Contractor's comment