

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41015- SS&DO41004

Monitoring Date 04/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	15:05	Ebb	SS	36.4	9.9	10.5	Limit
W2	15:10	Ebb	SS	40.6	9.9	10.5	Limit
W3	10:25	Flood	SS	38.8	17.7	20.1	Limit
W1	10:16	Flood	DO(surface & middle)	6.1	6.4	6.3	Limit
W2	10:20	Flood	DO(surface & middle)	6.1	6.4	6.3	Limit
W3	10:25	Flood	DO(surface & middle)	6.1	6.4	6.3	Limit
WS	7:05:40	Flood	DO	5.77	5.9	5.5	Action
WS	7:10:40	Flood	DO	5.87	5.9	5.5	Action
WS	7:15:40	Flood	DO	5.88	5.9	5.5	Action
WS	7:20:40	Flood	DO	5.86	5.9	5.5	Action
WS	7:25:40	Flood	DO	5.87	5.9	5.5	Action
WS	7:30:40	Flood	DO	5.83	5.9	5.5	Action
WS	7:35:40	Flood	DO	5.83	5.9	5.5	Action
WS	7:40:40	Flood	DO	5.84	5.9	5.5	Action
WS	7:45:40	Flood	DO	5.83	5.9	5.5	Action
WS	7:50:40	Flood	DO	5.87	5.9	5.5	Action
WS	7:55:40	Flood	DO	5.84	5.9	5.5	Action
WS	8:00:40	Flood	DO	5.83	5.9	5.5	Action
WS	8:05:40	Flood	DO	5.80	5.9	5.5	Action
WS	8:10:40	Flood	DO	5.82	5.9	5.5	Action
WS	8:15:40	Flood	DO	5.81	5.9	5.5	Action
WS	8:20:40	Flood	DO	5.80	5.9	5.5	Action
WS	8:25:40	Flood	DO	5.79	5.9	5.5	Action
WS	8:30:40	Flood	DO	5.77	5.9	5.5	Action
WS	8:35:40	Flood	DO	5.77	5.9	5.5	Action
WS	8:40:40	Flood	DO	5.76	5.9	5.5	Action
WS	8:45:40	Flood	DO	5.73	5.9	5.5	Action
WS	8:50:40	Flood	DO	5.71	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	8:55:40	Flood	DO	5.71	5.9	5.5	Action
WS	9:00:40	Flood	DO	5.70	5.9	5.5	Action
WS	9:05:40	Flood	DO	5.67	5.9	5.5	Action
WS	9:10:40	Flood	DO	5.65	5.9	5.5	Action
WS	9:15:40	Flood	DO	5.63	5.9	5.5	Action
WS	9:20:40	Flood	DO	5.62	5.9	5.5	Action
WS	9:25:40	Flood	DO	5.59	5.9	5.5	Action
WS	9:30:40	Flood	DO	5.59	5.9	5.5	Action
WS	9:35:40	Flood	DO	5.63	5.9	5.5	Action
WS	9:40:40	Flood	DO	5.66	5.9	5.5	Action
WS	9:45:40	Flood	DO	5.65	5.9	5.5	Action
WS	9:50:40	Flood	DO	5.65	5.9	5.5	Action
WS	9:55:40	Flood	DO	5.67	5.9	5.5	Action
WS	10:00:40	Flood	DO	5.66	5.9	5.5	Action
WS	10:05:40	Flood	DO	5.74	5.9	5.5	Action
WS	10:10:40	Flood	DO	5.71	5.9	5.5	Action
WS	10:15:40	Flood	DO	5.68	5.9	5.5	Action
WS	10:20:40	Flood	DO	5.72	5.9	5.5	Action
WS	10:25:40	Flood	DO	5.70	5.9	5.5	Action
WS	10:30:40	Flood	DO	5.68	5.9	5.5	Action
WS	10:35:40	Flood	DO	5.69	5.9	5.5	Action
WS	10:40:40	Flood	DO	5.65	5.9	5.5	Action
WS	10:45:40	Flood	DO	5.68	5.9	5.5	Action
WS	10:50:40	Flood	DO	5.77	5.9	5.5	Action
WS	10:55:40	Flood	DO	5.73	5.9	5.5	Action
WS	11:00:40	Flood	DO	5.73	5.9	5.5	Action
WS	11:05:40	Flood	DO	5.71	5.9	5.5	Action
WS	11:10:40	Flood	DO	5.71	5.9	5.5	Action
WS	11:15:40	Flood	DO	5.73	5.9	5.5	Action
WS	11:20:40	Flood	DO	5.76	5.9	5.5	Action
WS	11:25:40	Flood	DO	5.75	5.9	5.5	Action
WS	11:30:40	Flood	DO	5.74	5.9	5.5	Action
WS	11:35:40	Flood	DO	5.69	5.9	5.5	Action
WS	11:40:40	Flood	DO	5.67	5.9	5.5	Action
WS	11:45:40	Flood	DO	5.65	5.9	5.5	Action
WS	11:50:40	Flood	DO	5.64	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	11:55:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:00:40	Flood	DO	5.63	5.9	5.5	Action
WS	12:05:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:10:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:15:40	Flood	DO	5.62	5.9	5.5	Action
WS	12:20:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:25:40	Flood	DO	5.64	5.9	5.5	Action
WS	12:30:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:35:40	Flood	DO	5.64	5.9	5.5	Action
WS	12:40:40	Flood	DO	5.64	5.9	5.5	Action
WS	12:45:40	Flood	DO	5.65	5.9	5.5	Action
WS	12:50:40	Flood	DO	5.66	5.9	5.5	Action
WS	12:55:40	Flood	DO	5.65	5.9	5.5	Action
WS	13:00:40	Flood	DO	5.66	5.9	5.5	Action
WS	13:05:40	Flood	DO	5.68	5.9	5.5	Action
WS	13:10:40	Flood	DO	5.72	5.9	5.5	Action
WS	13:15:40	Flood	DO	5.73	5.9	5.5	Action
WS	13:20:40	Flood	DO	5.69	5.9	5.5	Action
WS	13:25:40	Ebb	DO	5.71	5.9	5.5	Action
WS	13:30:40	Ebb	DO	5.65	5.9	5.5	Action
WS	13:35:40	Ebb	DO	5.66	5.9	5.5	Action
WS	13:40:40	Ebb	DO	5.65	5.9	5.5	Action
WS	13:45:40	Ebb	DO	5.61	5.9	5.5	Action
WS	13:50:40	Ebb	DO	5.60	5.9	5.5	Action
WS	13:55:40	Ebb	DO	5.62	5.9	5.5	Action
WS	14:00:40	Ebb	DO	5.62	5.9	5.5	Action
WS	14:05:40	Ebb	DO	5.62	5.9	5.5	Action
WS	14:10:40	Ebb	DO	5.66	5.9	5.5	Action
WS	14:15:40	Ebb	DO	5.64	5.9	5.5	Action
WS	14:20:40	Ebb	DO	5.66	5.9	5.5	Action
WS	14:25:40	Ebb	DO	5.66	5.9	5.5	Action
WS	14:30:40	Ebb	DO	5.74	5.9	5.5	Action
WS	14:35:40	Ebb	DO	5.65	5.9	5.5	Action
WS	14:40:40	Ebb	DO	5.68	5.9	5.5	Action
WS	14:45:40	Ebb	DO	5.63	5.9	5.5	Action
WS	14:50:40	Ebb	DO	5.67	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	14:55:40	Ebb	DO	5.59	5.9	5.5	Action
WS	15:00:40	Ebb	DO	5.82	5.9	5.5	Action
WS	15:05:40	Ebb	DO	5.80	5.9	5.5	Action
WS	15:10:40	Ebb	DO	5.75	5.9	5.5	Action
WS	15:15:40	Ebb	DO	5.73	5.9	5.5	Action
WS	15:20:40	Ebb	DO	5.74	5.9	5.5	Action
WS	15:25:40	Ebb	DO	5.76	5.9	5.5	Action
WS	15:30:40	Ebb	DO	5.74	5.9	5.5	Action
WS	15:35:40	Ebb	DO	5.74	5.9	5.5	Action
WS	15:40:40	Ebb	DO	5.75	5.9	5.5	Action
WS	15:45:40	Ebb	DO	5.77	5.9	5.5	Action
WS	15:50:40	Ebb	DO	5.77	5.9	5.5	Action
WS	15:55:40	Ebb	DO	5.79	5.9	5.5	Action
WS	16:00:40	Ebb	DO	5.75	5.9	5.5	Action
WS	16:05:40	Ebb	DO	5.76	5.9	5.5	Action
WS	16:10:40	Ebb	DO	5.81	5.9	5.5	Action
WS	16:15:40	Ebb	DO	5.72	5.9	5.5	Action
WS	16:20:40	Ebb	DO	5.72	5.9	5.5	Action
WS	16:25:40	Ebb	DO	5.67	5.9	5.5	Action
WS	16:30:40	Ebb	DO	5.75	5.9	5.5	Action
WS	16:35:40	Ebb	DO	5.84	5.9	5.5	Action
WS	16:40:40	Ebb	DO	5.85	5.9	5.5	Action
WS	16:45:40	Ebb	DO	5.81	5.9	5.5	Action
WS	16:50:40	Flood	DO	5.77	5.9	5.5	Action
WS	16:55:40	Flood	DO	5.76	5.9	5.5	Action
WS	17:00:40	Flood	DO	5.80	5.9	5.5	Action
WS	17:05:40	Flood	DO	5.48	5.9	5.5	Limit
WS	17:10:40	Flood	DO	5.53	5.9	5.5	Action
WS	17:15:40	Flood	DO	5.60	5.9	5.5	Action
WS	17:20:40	Flood	DO	5.57	5.9	5.5	Action
WS	17:25:40	Flood	DO	5.46	5.9	5.5	Limit
WS	17:30:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:35:40	Flood	DO	5.49	5.9	5.5	Limit
WS	17:40:40	Flood	DO	5.48	5.9	5.5	Limit
WS	17:45:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:50:40	Flood	DO	5.43	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:55:40	Flood	DO	5.44	5.9	5.5	Limit
WS	18:00:40	Flood	DO	5.48	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.45	5.9	5.5	Limit
WS	18:10:40	Flood	DO	5.45	5.9	5.5	Limit
WS	18:15:40	Flood	DO	5.46	5.9	5.5	Limit
WS	18:20:40	Flood	DO	5.44	5.9	5.5	Limit
WS	18:25:40	Flood	DO	5.37	5.9	5.5	Limit
WS	18:30:40	Flood	DO	5.36	5.9	5.5	Limit
WS	18:35:40	Flood	DO	5.32	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.39	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.42	5.9	5.5	Limit
WS	18:50:40	Flood	DO	5.32	5.9	5.5	Limit
WS	18:55:40	Flood	DO	5.35	5.9	5.5	Limit
WS	19:00:40	Flood	DO	5.32	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 W3 during mid-flood tide were recorded. The exceedances might be caused by the background condition outside Sum Wan and the project works. Events showing exceedances of Limit level exceedances for DO (surface and middle) at W1, W2 and W3 during mid-flood were recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41015- SS&DO41005

Monitoring Date 05/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	15:15	Ebb	SS	21.1	9.9	10.5	Limit
W2	15:22	Ebb	SS	35.2	9.9	10.5	Limit
W3	10:21	Flood	SS	35.2	17.7	20.1	Limit
W1	15:15	Ebb	DO(surface & middle)	6.2	6.3	6.1	Action
W2	15:22	Ebb	DO(surface & middle)	6.2	6.3	6.1	Action
W3	15:26	Ebb	DO(surface & middle)	6.1	6.3	6.1	Action
W1	10:10	Flood	DO(surface & middle)	5.9	6.4	6.3	Limit
W2	10:16	Flood	DO(surface & middle)	5.9	6.4	6.3	Limit
W3	10:21	Flood	DO(surface & middle)	5.9	6.4	6.3	Limit
WS	10:00:40	Flood	DO	5.89	5.9	5.5	Action
WS	10:05:40	Flood	DO	5.87	5.9	5.5	Action
WS	10:10:40	Flood	DO	5.85	5.9	5.5	Action
WS	10:15:40	Flood	DO	5.81	5.9	5.5	Action
WS	10:20:40	Flood	DO	5.81	5.9	5.5	Action
WS	10:25:40	Flood	DO	5.81	5.9	5.5	Action
WS	10:30:40	Flood	DO	5.78	5.9	5.5	Action
WS	10:35:40	Flood	DO	5.78	5.9	5.5	Action
WS	10:40:40	Flood	DO	5.76	5.9	5.5	Action
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WS	11:20:40	Flood	DO	5.67	5.9	5.5	Action
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WS	11:45:40	Flood	DO	5.71	5.9	5.5	Action
WS	11:50:40	Flood	DO	5.70	5.9	5.5	Action
WS	11:55:40	Flood	DO	5.70	5.9	5.5	Action
WS	12:00:40	Flood	DO	5.70	5.9	5.5	Action
WS	12:05:40	Flood	DO	5.69	5.9	5.5	Action
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WS	12:35:40	Flood	DO	5.62	5.9	5.5	Action
WS	12:40:40	Flood	DO	5.62	5.9	5.5	Action
WS	12:45:40	Flood	DO	5.73	5.9	5.5	Action
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WS	13:20:40	Flood	DO	5.65	5.9	5.5	Action
WS	13:25:40	Flood	DO	5.65	5.9	5.5	Action
WS	13:30:40	Flood	DO	5.61	5.9	5.5	Action
WS	13:35:40	Flood	DO	5.56	5.9	5.5	Action
WS	13:40:40	Flood	DO	5.53	5.9	5.5	Action
WS	13:45:40	Flood	DO	5.54	5.9	5.5	Action
WS	13:50:40	Flood	DO	5.52	5.9	5.5	Action
WS	13:55:40	Flood	DO	5.57	5.9	5.5	Action
WS	14:00:40	Flood	DO	5.57	5.9	5.5	Action
WS	14:05:40	Flood	DO	5.57	5.9	5.5	Action
WS	14:10:40	Flood	DO	5.56	5.9	5.5	Action
WS	14:15:40	Flood	DO	5.57	5.9	5.5	Action
WS	14:20:40	Flood	DO	5.59	5.9	5.5	Action
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WS	15:00:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:05:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:10:40	Flood	DO	5.58	5.9	5.5	Action
WS	15:15:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:20:40	Flood	DO	5.59	5.9	5.5	Action
WS	15:25:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:30:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:35:40	Flood	DO	5.57	5.9	5.5	Action
WS	15:40:40	Flood	DO	5.55	5.9	5.5	Action
WS	15:45:40	Flood	DO	5.53	5.9	5.5	Action
WS	15:50:40	Flood	DO	5.53	5.9	5.5	Action
WS	15:55:40	Flood	DO	5.54	5.9	5.5	Action
WS	16:00:40	Flood	DO	5.55	5.9	5.5	Action
WS	16:05:40	Flood	DO	5.54	5.9	5.5	Action
WS	16:10:40	Flood	DO	5.54	5.9	5.5	Action
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WS	16:25:40	Ebb	DO	5.58	5.9	5.5	Action
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WS	16:40:40	Ebb	DO	5.56	5.9	5.5	Action
WS	16:45:40	Ebb	DO	5.59	5.9	5.5	Action
WS	16:50:40	Ebb	DO	5.55	5.9	5.5	Action
WS	16:55:40	Ebb	DO	5.54	5.9	5.5	Action
WS	17:00:40	Ebb	DO	5.53	5.9	5.5	Action
WS	17:05:40	Ebb	DO	5.52	5.9	5.5	Action
WS	17:10:40	Ebb	DO	5.52	5.9	5.5	Action
WS	17:15:40	Ebb	DO	5.50	5.9	5.5	Limit
WS	17:20:40	Ebb	DO	5.52	5.9	5.5	Action
WS	17:25:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	17:30:40	Ebb	DO	5.49	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:35:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	17:40:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	17:45:40	Ebb	DO	5.48	5.9	5.5	Limit
WS	17:50:40	Ebb	DO	5.50	5.9	5.5	Limit
WS	17:55:40	Ebb	DO	5.51	5.9	5.5	Action
WS	18:00:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	18:05:40	Ebb	DO	5.52	5.9	5.5	Action
WS	18:10:40	Ebb	DO	5.52	5.9	5.5	Action
WS	18:15:40	Ebb	DO	5.51	5.9	5.5	Action
WS	18:20:40	Ebb	DO	5.50	5.9	5.5	Limit
WS	18:25:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	18:30:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	18:35:40	Ebb	DO	5.49	5.9	5.5	Limit
WS	18:40:40	Ebb	DO	5.52	5.9	5.5	Action
WS	18:45:40	Ebb	DO	5.52	5.9	5.5	Action
WS	18:50:40	Ebb	DO	5.51	5.9	5.5	Action
WS	18:55:40	Ebb	DO	5.50	5.9	5.5	Limit
WS	19:00:40	Ebb	DO	5.50	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 W3 during mid-flood tide were recorded. The exceedances might be caused by the background condition outside Sum Wan and the project works. Events showing exceedances of Action level for DO (surface and middle) at W1, W2 and W3 during mid-ebb and Limit level for DO (surface and middle) at W1, W2 and W3 during mid-flood were recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41015- SS&DO41007

Monitoring Date 07/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	7:25	Ebb	SS	26.8	9.9	10.5	Limit
W2	7:16	Ebb	SS	34.7	9.9	10.5	Limit
W3	18:38	Flood	SS	37.5	17.7	20.1	Limit
W1	7:25	Ebb	DO(bottom)	5.0	6.1	5.9	Limit
W2	7:16	Ebb	DO(bottom)	4.8	6.1	5.9	Limit
W3	7:21	Ebb	DO(bottom)	4.8	6.1	5.9	Limit
WS	9:35:40	Ebb	DO	5.86	5.9	5.5	Action
WS	9:55:40	Ebb	DO	5.90	5.9	5.5	Action
WS	12:00:40	Flood	DO	5.73	5.9	5.5	Action
WS	12:05:40	Flood	DO	5.88	5.9	5.5	Action
WS	12:10:40	Flood	DO	5.76	5.9	5.5	Action
WS	12:15:40	Flood	DO	5.83	5.9	5.5	Action
WS	12:20:40	Flood	DO	5.76	5.9	5.5	Action
WS	12:25:40	Flood	DO	5.75	5.9	5.5	Action
WS	12:30:40	Flood	DO	5.79	5.9	5.5	Action
WS	12:35:40	Flood	DO	5.73	5.9	5.5	Action
WS	12:40:40	Flood	DO	5.83	5.9	5.5	Action
WS	12:45:40	Flood	DO	5.89	5.9	5.5	Action
WS	12:50:40	Flood	DO	5.84	5.9	5.5	Action
WS	12:55:40	Flood	DO	5.89	5.9	5.5	Action
WS	13:00:40	Flood	DO	5.85	5.9	5.5	Action
WS	13:05:40	Flood	DO	5.84	5.9	5.5	Action
WS	13:10:40	Flood	DO	5.81	5.9	5.5	Action
WS	13:15:40	Flood	DO	5.80	5.9	5.5	Action
WS	13:20:40	Flood	DO	5.74	5.9	5.5	Action
WS	13:25:40	Flood	DO	5.73	5.9	5.5	Action
WS	13:30:40	Flood	DO	5.66	5.9	5.5	Action
WS	13:35:40	Flood	DO	5.65	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	13:40:40	Flood	DO	5.64	5.9	5.5	Action
WS	13:45:40	Flood	DO	5.67	5.9	5.5	Action
WS	13:50:40	Flood	DO	5.61	5.9	5.5	Action
WS	13:55:40	Flood	DO	5.72	5.9	5.5	Action
WS	14:00:40	Flood	DO	5.63	5.9	5.5	Action
WS	14:05:40	Flood	DO	5.55	5.9	5.5	Action
WS	14:10:40	Flood	DO	5.52	5.9	5.5	Action
WS	14:15:40	Flood	DO	5.27	5.9	5.5	Limit
WS	14:20:40	Flood	DO	5.68	5.9	5.5	Action
WS	14:25:40	Flood	DO	5.76	5.9	5.5	Action
WS	14:30:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:35:40	Flood	DO	5.47	5.9	5.5	Limit
WS	14:40:40	Flood	DO	5.44	5.9	5.5	Limit
WS	14:45:40	Flood	DO	5.47	5.9	5.5	Limit
WS	14:50:40	Flood	DO	5.47	5.9	5.5	Limit
WS	14:55:40	Flood	DO	5.38	5.9	5.5	Limit
WS	15:00:40	Flood	DO	5.38	5.9	5.5	Limit
WS	15:05:40	Flood	DO	5.29	5.9	5.5	Limit
WS	15:10:40	Flood	DO	5.23	5.9	5.5	Limit
WS	15:15:40	Flood	DO	5.24	5.9	5.5	Limit
WS	15:20:40	Flood	DO	5.20	5.9	5.5	Limit
WS	15:25:40	Flood	DO	5.21	5.9	5.5	Limit
WS	15:30:40	Flood	DO	5.19	5.9	5.5	Limit
WS	15:35:40	Flood	DO	5.20	5.9	5.5	Limit
WS	15:40:40	Flood	DO	5.25	5.9	5.5	Limit
WS	15:45:40	Flood	DO	5.11	5.9	5.5	Limit
WS	15:50:40	Flood	DO	5.14	5.9	5.5	Limit
WS	15:55:40	Flood	DO	5.06	5.9	5.5	Limit
WS	16:00:40	Flood	DO	5.14	5.9	5.5	Limit
WS	16:05:40	Flood	DO	5.10	5.9	5.5	Limit
WS	16:10:40	Flood	DO	5.09	5.9	5.5	Limit
WS	16:15:40	Flood	DO	5.10	5.9	5.5	Limit
WS	16:20:40	Flood	DO	5.06	5.9	5.5	Limit
WS	16:25:40	Flood	DO	5.04	5.9	5.5	Limit
WS	16:30:40	Flood	DO	5.01	5.9	5.5	Limit
WS	16:35:40	Flood	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	16:40:40	Flood	DO	5.05	5.9	5.5	Limit
WS	16:45:40	Flood	DO	5.11	5.9	5.5	Limit
WS	16:50:40	Flood	DO	5.15	5.9	5.5	Limit
WS	16:55:40	Flood	DO	5.14	5.9	5.5	Limit
WS	17:00:40	Flood	DO	5.05	5.9	5.5	Limit
WS	17:05:40	Flood	DO	5.06	5.9	5.5	Limit
WS	17:10:40	Flood	DO	5.03	5.9	5.5	Limit
WS	17:15:40	Flood	DO	5.02	5.9	5.5	Limit
WS	17:20:40	Flood	DO	5.01	5.9	5.5	Limit
WS	17:25:40	Flood	DO	4.94	5.9	5.5	Limit
WS	17:30:40	Flood	DO	4.96	5.9	5.5	Limit
WS	17:35:40	Flood	DO	4.83	5.9	5.5	Limit
WS	17:40:40	Flood	DO	4.89	5.9	5.5	Limit
WS	17:45:40	Flood	DO	4.91	5.9	5.5	Limit
WS	17:50:40	Flood	DO	4.92	5.9	5.5	Limit
WS	17:55:40	Flood	DO	4.89	5.9	5.5	Limit
WS	18:00:40	Flood	DO	4.90	5.9	5.5	Limit
WS	18:05:40	Flood	DO	4.86	5.9	5.5	Limit
WS	18:10:40	Flood	DO	4.86	5.9	5.5	Limit
WS	18:15:40	Flood	DO	4.85	5.9	5.5	Limit
WS	18:20:40	Flood	DO	4.87	5.9	5.5	Limit
WS	18:25:40	Flood	DO	4.84	5.9	5.5	Limit
WS	18:30:40	Flood	DO	4.79	5.9	5.5	Limit
WS	18:35:40	Flood	DO	4.87	5.9	5.5	Limit
WS	18:40:40	Flood	DO	4.85	5.9	5.5	Limit
WS	18:45:40	Flood	DO	4.81	5.9	5.5	Limit
WS	18:50:40	Flood	DO	4.88	5.9	5.5	Limit
WS	18:55:40	Flood	DO	4.90	5.9	5.5	Limit
WS	19:00:40	Flood	DO	4.93	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 W3 during mid-flood tide were recorded. The exceedances might be caused by the background condition outside Sum Wan and the project works. Events showing exceedances of 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 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41015- SS&DO41011

Monitoring Date 11/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W2	9:31	Ebb	SS	12.1	9.9	10.5	Limit
WS	7:00:40	Ebb	DO	5.82	5.9	5.5	Action
WS	7:05:40	Ebb	DO	5.83	5.9	5.5	Action
WS	7:10:40	Ebb	DO	5.88	5.9	5.5	Action
WS	7:15:40	Ebb	DO	5.88	5.9	5.5	Action
WS	7:20:40	Ebb	DO	5.88	5.9	5.5	Action
WS	7:25:40	Ebb	DO	5.87	5.9	5.5	Action
WS	7:30:40	Ebb	DO	5.87	5.9	5.5	Action
WS	7:35:40	Ebb	DO	5.86	5.9	5.5	Action
WS	7:40:40	Ebb	DO	5.85	5.9	5.5	Action
WS	7:45:40	Ebb	DO	5.84	5.9	5.5	Action
WS	7:50:40	Ebb	DO	5.83	5.9	5.5	Action
WS	7:55:40	Ebb	DO	5.82	5.9	5.5	Action
WS	8:00:40	Ebb	DO	5.80	5.9	5.5	Action
WS	8:05:40	Ebb	DO	5.79	5.9	5.5	Action
WS	8:10:40	Ebb	DO	5.79	5.9	5.5	Action
WS	8:15:40	Ebb	DO	5.78	5.9	5.5	Action
WS	8:20:40	Ebb	DO	5.77	5.9	5.5	Action
WS	8:25:40	Ebb	DO	5.73	5.9	5.5	Action
WS	8:30:40	Ebb	DO	5.73	5.9	5.5	Action
WS	8:35:40	Ebb	DO	5.73	5.9	5.5	Action
WS	8:40:40	Ebb	DO	5.71	5.9	5.5	Action
WS	8:45:40	Ebb	DO	5.71	5.9	5.5	Action
WS	8:50:40	Ebb	DO	5.70	5.9	5.5	Action
WS	8:55:40	Ebb	DO	5.69	5.9	5.5	Action
WS	9:00:40	Ebb	DO	5.68	5.9	5.5	Action
WS	9:05:40	Ebb	DO	5.68	5.9	5.5	Action
WS	9:10:40	Ebb	DO	5.62	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	9:15:40	Ebb	DO	5.61	5.9	5.5	Action
WS	9:20:40	Ebb	DO	5.60	5.9	5.5	Action
WS	9:25:40	Ebb	DO	5.60	5.9	5.5	Action
WS	9:30:40	Ebb	DO	5.60	5.9	5.5	Action
WS	9:35:40	Ebb	DO	5.58	5.9	5.5	Action
WS	9:40:40	Ebb	DO	5.59	5.9	5.5	Action
WS	9:45:40	Ebb	DO	5.58	5.9	5.5	Action
WS	9:50:40	Ebb	DO	5.59	5.9	5.5	Action
WS	9:55:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:00:40	Ebb	DO	5.57	5.9	5.5	Action
WS	10:05:40	Ebb	DO	5.57	5.9	5.5	Action
WS	10:10:40	Ebb	DO	5.59	5.9	5.5	Action
WS	10:15:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:20:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:25:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:30:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:35:40	Ebb	DO	5.58	5.9	5.5	Action
WS	10:40:40	Ebb	DO	5.57	5.9	5.5	Action
WS	10:45:40	Ebb	DO	5.57	5.9	5.5	Action
WS	10:50:40	Ebb	DO	5.56	5.9	5.5	Action
WS	10:55:40	Ebb	DO	5.57	5.9	5.5	Action
WS	11:00:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:05:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:10:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:15:40	Ebb	DO	5.55	5.9	5.5	Action
WS	11:20:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:25:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:30:40	Ebb	DO	5.57	5.9	5.5	Action
WS	11:35:40	Ebb	DO	5.57	5.9	5.5	Action
WS	11:40:40	Ebb	DO	5.57	5.9	5.5	Action
WS	11:45:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:50:40	Ebb	DO	5.56	5.9	5.5	Action
WS	11:55:40	Ebb	DO	5.55	5.9	5.5	Action
WS	12:00:40	Ebb	DO	5.55	5.9	5.5	Action
WS	12:05:40	Ebb	DO	5.54	5.9	5.5	Action
WS	12:10:40	Ebb	DO	5.54	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:15:40	Ebb	DO	5.54	5.9	5.5	Action
WS	12:20:40	Ebb	DO	5.53	5.9	5.5	Action
WS	12:25:40	Ebb	DO	5.53	5.9	5.5	Action
WS	12:30:40	Ebb	DO	5.54	5.9	5.5	Action
WS	12:35:40	Ebb	DO	5.53	5.9	5.5	Action
WS	12:40:40	Ebb	DO	5.52	5.9	5.5	Action
WS	12:45:40	Ebb	DO	5.53	5.9	5.5	Action
WS	12:50:40	Ebb	DO	5.53	5.9	5.5	Action
WS	12:55:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:00:40	Ebb	DO	5.52	5.9	5.5	Action
WS	13:05:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:10:40	Ebb	DO	5.52	5.9	5.5	Action
WS	13:15:40	Ebb	DO	5.51	5.9	5.5	Action
WS	13:20:40	Ebb	DO	5.51	5.9	5.5	Action
WS	13:25:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:30:40	Ebb	DO	5.54	5.9	5.5	Action
WS	13:35:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:40:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:45:40	Ebb	DO	5.53	5.9	5.5	Action
WS	13:50:40	Ebb	DO	5.52	5.9	5.5	Action
WS	13:55:40	Ebb	DO	5.51	5.9	5.5	Action
WS	14:00:40	Ebb	DO	5.51	5.9	5.5	Action
WS	14:05:40	Ebb	DO	5.51	5.9	5.5	Action
WS	14:10:40	Flood	DO	5.51	5.9	5.5	Action
WS	14:15:40	Flood	DO	5.50	5.9	5.5	Limit
WS	14:20:40	Flood	DO	5.49	5.9	5.5	Limit
WS	14:25:40	Flood	DO	5.49	5.9	5.5	Limit
WS	14:30:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:35:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:40:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:45:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:50:40	Flood	DO	5.48	5.9	5.5	Limit
WS	14:55:40	Flood	DO	5.48	5.9	5.5	Limit
WS	15:00:40	Flood	DO	5.48	5.9	5.5	Limit
WS	15:05:40	Flood	DO	5.47	5.9	5.5	Limit
WS	15:10:40	Flood	DO	5.45	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:15:40	Flood	DO	5.48	5.9	5.5	Limit
WS	15:20:40	Flood	DO	5.47	5.9	5.5	Limit
WS	15:25:40	Flood	DO	5.48	5.9	5.5	Limit
WS	15:30:40	Flood	DO	5.47	5.9	5.5	Limit
WS	15:35:40	Flood	DO	5.46	5.9	5.5	Limit
WS	15:40:40	Flood	DO	5.47	5.9	5.5	Limit
WS	15:45:40	Flood	DO	5.47	5.9	5.5	Limit
WS	15:50:40	Flood	DO	5.45	5.9	5.5	Limit
WS	15:55:40	Flood	DO	5.45	5.9	5.5	Limit
WS	16:00:40	Flood	DO	5.45	5.9	5.5	Limit
WS	16:05:40	Flood	DO	5.46	5.9	5.5	Limit
WS	16:10:40	Flood	DO	5.48	5.9	5.5	Limit
WS	16:15:40	Flood	DO	5.48	5.9	5.5	Limit
WS	16:20:40	Flood	DO	5.48	5.9	5.5	Limit
WS	16:25:40	Flood	DO	5.47	5.9	5.5	Limit
WS	16:30:40	Flood	DO	5.46	5.9	5.5	Limit
WS	16:35:40	Flood	DO	5.47	5.9	5.5	Limit
WS	16:40:40	Flood	DO	5.46	5.9	5.5	Limit
WS	16:45:40	Flood	DO	5.44	5.9	5.5	Limit
WS	16:50:40	Flood	DO	5.46	5.9	5.5	Limit
WS	16:55:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:00:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:05:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:10:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:15:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:20:40	Flood	DO	5.44	5.9	5.5	Limit
WS	17:25:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:30:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:35:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:40:40	Flood	DO	5.45	5.9	5.5	Limit
WS	17:45:40	Flood	DO	5.46	5.9	5.5	Limit
WS	17:50:40	Flood	DO	5.49	5.9	5.5	Limit
WS	17:55:40	Flood	DO	5.48	5.9	5.5	Limit
WS	18:00:40	Flood	DO	5.49	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.50	5.9	5.5	Limit
WS	18:10:40	Flood	DO	5.49	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	18:15:40	Flood	DO	5.48	5.9	5.5	Limit
WS	18:20:40	Flood	DO	5.49	5.9	5.5	Limit
WS	18:25:40	Flood	DO	5.47	5.9	5.5	Limit
WS	18:30:40	Flood	DO	5.48	5.9	5.5	Limit
WS	18:35:40	Flood	DO	5.47	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.46	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.47	5.9	5.5	Limit
WS	18:50:40	Flood	DO	5.46	5.9	5.5	Limit
WS	18:55:40	Flood	DO	5.46	5.9	5.5	Limit
WS	19:00:40	Flood	DO	5.46	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 exceedance of Limit level for SS at W2 during the mid-ebb tide was recorded. The exceedance might be caused by the background condition outside Sum Wan and 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41026- SS, Tur&DO41015

Monitoring Date 15/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:43	Ebb	SS	34.6	9.9	10.5	Limit
W2	12:47	Ebb	SS	44.3	9.9	10.5	Limit
W3	18:03	Flood	SS	41.1	17.7	20.1	Limit
W1	12:43	Ebb	Turbidity	15.6	13.4	14.8	Limit
W2	12:47	Ebb	Turbidity	22.9	13.4	14.8	Limit
W3	18:03	Flood	Turbidity	23.5	22.7	25.1	Action
W2	12:47	Ebb	DO (surface and middle)	6.2	6.3	6.1	Action
W3	12:49	Ebb	DO (surface and middle)	6.2	6.3	6.1	Action
W1	17:57	Flood	DO (surface and middle)	6.2	6.4	6.3	Limit
W2	17:59	Flood	DO (surface and middle)	6.1	6.4	6.3	Limit
W3	18:03	Flood	DO (surface and middle)	6.1	6.4	6.3	Limit
WS	7:00:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	7:05:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	7:10:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	7:15:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	7:20:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	7:30:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	7:45:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	7:55:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	8:25:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	8:45:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	9:15:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	9:20:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	9:30:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	10:00:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	10:25:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	10:30:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	10:40:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	11:25:40	Ebb	Turbidity	8.2	8.0	9.2	Action
WS	11:45:40	Ebb	Turbidity	8.0	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:45:40	Ebb	Turbidity	8.0	8.0	9.2	Action
WS	15:55:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	17:50:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	8:05:40	Flood	DO	5.88	5.9	5.5	Action
WS	8:10:40	Flood	DO	5.81	5.9	5.5	Action
WS	8:15:40	Flood	DO	5.66	5.9	5.5	Action
WS	8:20:40	Flood	DO	5.54	5.9	5.5	Action
WS	8:25:40	Flood	DO	5.43	5.9	5.5	Limit
WS	8:30:40	Flood	DO	5.34	5.9	5.5	Limit
WS	8:35:40	Flood	DO	5.23	5.9	5.5	Limit
WS	8:40:40	Flood	DO	5.17	5.9	5.5	Limit
WS	8:45:40	Flood	DO	5.09	5.9	5.5	Limit
WS	8:50:40	Flood	DO	5.04	5.9	5.5	Limit
WS	8:55:40	Flood	DO	4.98	5.9	5.5	Limit
WS	9:00:40	Flood	DO	4.93	5.9	5.5	Limit
WS	9:05:40	Flood	DO	4.88	5.9	5.5	Limit
WS	9:10:40	Flood	DO	4.86	5.9	5.5	Limit
WS	9:15:40	Flood	DO	4.83	5.9	5.5	Limit
WS	9:20:40	Flood	DO	4.78	5.9	5.5	Limit
WS	9:25:40	Flood	DO	4.73	5.9	5.5	Limit
WS	9:30:40	Flood	DO	4.72	5.9	5.5	Limit
WS	9:35:40	Flood	DO	4.70	5.9	5.5	Limit
WS	9:40:40	Flood	DO	4.70	5.9	5.5	Limit
WS	9:45:40	Flood	DO	4.69	5.9	5.5	Limit
WS	9:50:40	Flood	DO	4.64	5.9	5.5	Limit
WS	9:55:40	Flood	DO	4.62	5.9	5.5	Limit
WS	10:00:40	Flood	DO	4.60	5.9	5.5	Limit
WS	10:05:40	Flood	DO	4.58	5.9	5.5	Limit
WS	10:10:40	Flood	DO	4.58	5.9	5.5	Limit
WS	10:15:40	Flood	DO	4.58	5.9	5.5	Limit
WS	10:20:40	Flood	DO	4.57	5.9	5.5	Limit
WS	10:25:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	10:30:40	Ebb	DO	4.54	5.9	5.5	Limit
WS	10:35:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	10:40:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	10:45:40	Ebb	DO	4.49	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	10:50:40	Ebb	DO	4.49	5.9	5.5	Limit
WS	10:55:40	Ebb	DO	4.46	5.9	5.5	Limit
WS	11:00:40	Ebb	DO	4.47	5.9	5.5	Limit
WS	11:05:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	11:10:40	Ebb	DO	4.46	5.9	5.5	Limit
WS	11:15:40	Ebb	DO	4.40	5.9	5.5	Limit
WS	11:20:40	Ebb	DO	4.38	5.9	5.5	Limit
WS	11:25:40	Ebb	DO	4.39	5.9	5.5	Limit
WS	11:30:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	11:35:40	Ebb	DO	4.42	5.9	5.5	Limit
WS	11:40:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	11:45:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	11:50:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	11:55:40	Ebb	DO	4.40	5.9	5.5	Limit
WS	12:00:40	Ebb	DO	4.36	5.9	5.5	Limit
WS	12:05:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	12:10:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	12:15:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	12:20:40	Ebb	DO	4.37	5.9	5.5	Limit
WS	12:25:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	12:30:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	12:35:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	12:40:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	12:45:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	12:50:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	12:55:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	13:00:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	13:05:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	13:10:40	Ebb	DO	4.32	5.9	5.5	Limit
WS	13:15:40	Ebb	DO	4.31	5.9	5.5	Limit
WS	13:20:40	Ebb	DO	4.30	5.9	5.5	Limit
WS	13:25:40	Ebb	DO	4.27	5.9	5.5	Limit
WS	13:30:40	Ebb	DO	4.28	5.9	5.5	Limit
WS	13:35:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	13:40:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	13:45:40	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	13:50:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	13:55:40	Ebb	DO	4.30	5.9	5.5	Limit
WS	14:00:40	Ebb	DO	4.30	5.9	5.5	Limit
WS	14:05:40	Ebb	DO	4.30	5.9	5.5	Limit
WS	14:10:40	Ebb	DO	4.29	5.9	5.5	Limit
WS	14:15:40	Ebb	DO	4.28	5.9	5.5	Limit
WS	14:20:40	Ebb	DO	4.26	5.9	5.5	Limit
WS	14:25:40	Ebb	DO	4.26	5.9	5.5	Limit
WS	14:30:40	Ebb	DO	4.25	5.9	5.5	Limit
WS	14:35:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	14:40:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	14:45:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	14:50:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	14:55:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	15:00:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:05:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:10:40	Ebb	DO	4.24	5.9	5.5	Limit
WS	15:15:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:20:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:25:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:30:40	Ebb	DO	4.22	5.9	5.5	Limit
WS	15:35:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:40:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:45:40	Ebb	DO	4.23	5.9	5.5	Limit
WS	15:50:40	Ebb	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	4.22	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	4.22	5.9	5.5	Limit
WS	16:20:40	Flood	DO	4.21	5.9	5.5	Limit
WS	16:25:40	Flood	DO	4.21	5.9	5.5	Limit
WS	16:30:40	Flood	DO	4.21	5.9	5.5	Limit
WS	16:35:40	Flood	DO	4.20	5.9	5.5	Limit
WS	16:40:40	Flood	DO	4.23	5.9	5.5	Limit
WS	16:45:40	Flood	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	16:50:40	Flood	DO	4.24	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	4.23	5.9	5.5	Limit
WS	17:15:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:20:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:25:40	Flood	DO	4.22	5.9	5.5	Limit
WS	17:30:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:35:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:40:40	Flood	DO	4.23	5.9	5.5	Limit
WS	17:45:40	Flood	DO	4.22	5.9	5.5	Limit
WS	17:50:40	Flood	DO	4.22	5.9	5.5	Limit
WS	17:55:40	Flood	DO	4.22	5.9	5.5	Limit
WS	18:00:40	Flood	DO	4.23	5.9	5.5	Limit
WS	18:05:40	Flood	DO	4.23	5.9	5.5	Limit
WS	18:10:40	Flood	DO	4.22	5.9	5.5	Limit
WS	18:15:40	Flood	DO	4.21	5.9	5.5	Limit
WS	18:20:40	Flood	DO	4.21	5.9	5.5	Limit
WS	18:25:40	Flood	DO	4.21	5.9	5.5	Limit
WS	18:30:40	Flood	DO	4.20	5.9	5.5	Limit
WS	18:35:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:40:40	Flood	DO	4.26	5.9	5.5	Limit
WS	18:45:40	Flood	DO	4.25	5.9	5.5	Limit
WS	18:50:40	Flood	DO	4.24	5.9	5.5	Limit
WS	18:55:40	Flood	DO	4.24	5.9	5.5	Limit
WS	19:00:40	Flood	DO	4.23	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 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 Limit level for turbidity at W1 and W2 during the mid-ebb tide and W3 during mid-flood tide, and Action Level at WS were recorded. Similar to SS, the exceedances are unlikely caused by the Project works. Events showing exceedances of Action level for DO (surface and middle) at W2 and W3 during mid-ebb and Limit level for DO (surface and middle) at W1, W2 and W3 during mid-flood were recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41026- SS, Tur&DO41018

Monitoring Date 18/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	14:05	Ebb	SS	40.6	9.9	10.5	Limit
W2	14:11	Ebb	SS	49.2	9.9	10.5	Limit
W3	10:33	Flood	SS	47.4	17.7	20.1	Limit
W2	14:11	Ebb	Turbidity	14.8	13.4	14.8	Action
W2	14:11	Ebb	DO (surface and middle)	6.1	6.3	6.1	Action
W3	14:17	Ebb	DO (surface and middle)	6.0	6.3	6.1	Limit
W1	10:20	Flood	DO (surface and middle)	6.0	6.4	6.3	Limit
W2	10:26	Flood	DO (surface and middle)	5.9	6.4	6.3	Limit
W3	10:33	Flood	DO (surface and middle)	5.9	6.4	6.3	Limit
W2	14:11	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W3	14:17	Ebb	DO (bottom)	5.9	6.1	5.9	Action
WS	8:05:40	Flood	DO	5.88	5.9	5.5	Action
WS	8:10:40	Flood	DO	5.78	5.9	5.5	Action
WS	8:15:40	Flood	DO	5.68	5.9	5.5	Action
WS	8:20:40	Flood	DO	5.59	5.9	5.5	Action
WS	8:25:40	Flood	DO	5.50	5.9	5.5	Limit
WS	8:30:40	Flood	DO	5.44	5.9	5.5	Limit
WS	8:35:40	Flood	DO	5.39	5.9	5.5	Limit
WS	8:40:40	Flood	DO	5.31	5.9	5.5	Limit
WS	8:45:40	Flood	DO	5.26	5.9	5.5	Limit
WS	8:50:40	Flood	DO	5.22	5.9	5.5	Limit
WS	8:55:40	Flood	DO	5.18	5.9	5.5	Limit
WS	9:00:40	Flood	DO	5.14	5.9	5.5	Limit
WS	9:05:40	Flood	DO	5.11	5.9	5.5	Limit
WS	9:10:40	Flood	DO	5.08	5.9	5.5	Limit
WS	9:15:40	Ebb	DO	5.06	5.9	5.5	Limit
WS	9:20:40	Ebb	DO	5.03	5.9	5.5	Limit
WS	9:25:40	Ebb	DO	5.00	5.9	5.5	Limit
WS	9:30:40	Ebb	DO	4.98	5.9	5.5	Limit
WS	9:35:40	Ebb	DO	4.95	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	9:40:40	Ebb	DO	4.94	5.9	5.5	Limit
WS	9:45:40	Flood	DO	4.93	5.9	5.5	Limit
WS	9:50:40	Flood	DO	4.90	5.9	5.5	Limit
WS	9:55:40	Flood	DO	4.91	5.9	5.5	Limit
WS	10:00:40	Flood	DO	4.89	5.9	5.5	Limit
WS	10:05:40	Flood	DO	4.88	5.9	5.5	Limit
WS	10:10:40	Flood	DO	4.85	5.9	5.5	Limit
WS	10:15:40	Flood	DO	4.83	5.9	5.5	Limit
WS	10:20:40	Flood	DO	4.82	5.9	5.5	Limit
WS	10:25:40	Flood	DO	4.81	5.9	5.5	Limit
WS	10:30:40	Flood	DO	4.83	5.9	5.5	Limit
WS	10:35:40	Flood	DO	4.81	5.9	5.5	Limit
WS	10:40:40	Flood	DO	4.82	5.9	5.5	Limit
WS	10:45:40	Flood	DO	4.80	5.9	5.5	Limit
WS	10:50:40	Flood	DO	4.78	5.9	5.5	Limit
WS	10:55:40	Flood	DO	4.75	5.9	5.5	Limit
WS	11:00:40	Flood	DO	4.74	5.9	5.5	Limit
WS	11:05:40	Flood	DO	4.74	5.9	5.5	Limit
WS	11:10:40	Flood	DO	4.73	5.9	5.5	Limit
WS	11:15:40	Flood	DO	4.72	5.9	5.5	Limit
WS	11:20:40	Flood	DO	4.75	5.9	5.5	Limit
WS	11:25:40	Flood	DO	4.71	5.9	5.5	Limit
WS	11:30:40	Flood	DO	4.71	5.9	5.5	Limit
WS	11:35:40	Flood	DO	4.69	5.9	5.5	Limit
WS	11:40:40	Flood	DO	4.70	5.9	5.5	Limit
WS	11:45:40	Flood	DO	4.71	5.9	5.5	Limit
WS	11:50:40	Flood	DO	4.68	5.9	5.5	Limit
WS	11:55:40	Flood	DO	4.65	5.9	5.5	Limit
WS	12:00:40	Flood	DO	4.68	5.9	5.5	Limit
WS	12:05:40	Flood	DO	4.65	5.9	5.5	Limit
WS	12:10:40	Flood	DO	4.64	5.9	5.5	Limit
WS	12:15:40	Flood	DO	4.65	5.9	5.5	Limit
WS	12:20:40	Flood	DO	4.65	5.9	5.5	Limit
WS	12:25:40	Flood	DO	4.64	5.9	5.5	Limit
WS	12:30:40	Flood	DO	4.62	5.9	5.5	Limit
WS	12:35:40	Flood	DO	4.62	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:40:40	Flood	DO	4.62	5.9	5.5	Limit
WS	12:45:40	Flood	DO	4.62	5.9	5.5	Limit
WS	12:50:40	Flood	DO	4.60	5.9	5.5	Limit
WS	12:55:40	Flood	DO	4.58	5.9	5.5	Limit
WS	13:00:40	Flood	DO	4.56	5.9	5.5	Limit
WS	13:05:40	Flood	DO	4.57	5.9	5.5	Limit
WS	13:10:40	Flood	DO	4.59	5.9	5.5	Limit
WS	13:15:40	Flood	DO	4.58	5.9	5.5	Limit
WS	13:20:40	Flood	DO	4.58	5.9	5.5	Limit
WS	13:25:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	13:30:40	Ebb	DO	4.57	5.9	5.5	Limit
WS	13:35:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	13:40:40	Ebb	DO	4.57	5.9	5.5	Limit
WS	13:45:40	Ebb	DO	4.56	5.9	5.5	Limit
WS	13:50:40	Ebb	DO	4.55	5.9	5.5	Limit
WS	13:55:40	Ebb	DO	4.54	5.9	5.5	Limit
WS	14:00:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	14:05:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	14:10:40	Ebb	DO	4.52	5.9	5.5	Limit
WS	14:15:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	14:20:40	Ebb	DO	4.53	5.9	5.5	Limit
WS	14:25:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	14:30:40	Ebb	DO	4.50	5.9	5.5	Limit
WS	14:35:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	14:40:40	Ebb	DO	4.50	5.9	5.5	Limit
WS	14:45:40	Ebb	DO	4.51	5.9	5.5	Limit
WS	14:50:40	Ebb	DO	4.50	5.9	5.5	Limit
WS	14:55:40	Ebb	DO	4.50	5.9	5.5	Limit
WS	15:00:40	Ebb	DO	4.50	5.9	5.5	Limit
WS	15:05:40	Ebb	DO	4.49	5.9	5.5	Limit
WS	15:10:40	Ebb	DO	4.49	5.9	5.5	Limit
WS	15:15:40	Ebb	DO	4.48	5.9	5.5	Limit
WS	15:20:40	Ebb	DO	4.47	5.9	5.5	Limit
WS	15:25:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	15:30:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	15:35:40	Ebb	DO	4.44	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:40:40	Ebb	DO	4.45	5.9	5.5	Limit
WS	15:45:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	15:50:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	15:55:40	Ebb	DO	4.43	5.9	5.5	Limit
WS	16:00:40	Ebb	DO	4.43	5.9	5.5	Limit
WS	16:05:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:10:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:15:40	Ebb	DO	4.42	5.9	5.5	Limit
WS	16:20:40	Ebb	DO	4.44	5.9	5.5	Limit
WS	16:25:40	Ebb	DO	4.42	5.9	5.5	Limit
WS	16:30:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:35:40	Ebb	DO	4.40	5.9	5.5	Limit
WS	16:40:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:45:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:50:40	Ebb	DO	4.41	5.9	5.5	Limit
WS	16:55:40	Ebb	DO	4.40	5.9	5.5	Limit
WS	17:00:40	Ebb	DO	4.39	5.9	5.5	Limit
WS	17:05:40	Ebb	DO	4.40	5.9	5.5	Limit
WS	17:10:40	Flood	DO	4.39	5.9	5.5	Limit
WS	17:15:40	Flood	DO	4.38	5.9	5.5	Limit
WS	17:20:40	Flood	DO	4.37	5.9	5.5	Limit
WS	17:25:40	Flood	DO	4.37	5.9	5.5	Limit
WS	17:30:40	Flood	DO	4.37	5.9	5.5	Limit
WS	17:35:40	Flood	DO	4.36	5.9	5.5	Limit
WS	17:40:40	Flood	DO	4.36	5.9	5.5	Limit
WS	17:45:40	Flood	DO	4.35	5.9	5.5	Limit
WS	17:50:40	Flood	DO	4.33	5.9	5.5	Limit
WS	17:55:40	Flood	DO	4.33	5.9	5.5	Limit
WS	18:00:40	Flood	DO	4.34	5.9	5.5	Limit
WS	18:05:40	Flood	DO	4.34	5.9	5.5	Limit
WS	18:10:40	Flood	DO	4.33	5.9	5.5	Limit
WS	18:15:40	Flood	DO	4.33	5.9	5.5	Limit
WS	18:20:40	Flood	DO	4.33	5.9	5.5	Limit
WS	18:25:40	Flood	DO	4.31	5.9	5.5	Limit
WS	18:30:40	Flood	DO	4.32	5.9	5.5	Limit
WS	18:35:40	Flood	DO	4.32	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	18:40:40	Flood	DO	4.32	5.9	5.5	Limit
WS	18:45:40	Flood	DO	4.31	5.9	5.5	Limit
WS	18:50:40	Flood	DO	4.32	5.9	5.5	Limit
WS	18:55:40	Flood	DO	4.32	5.9	5.5	Limit
WS	19:00:40	Flood	DO	4.32	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 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 W2 during the mid-ebb tide. Similar to SS, the exceedances are unlikely caused by the Project works. Events showing exceedances of Action and Limit levels for DO (surface and middle) at W2 and W3 during mid-ebb and at W1, W2 and W3 during mid-flood were recorded. Events showing exceedances of Action level for DO (bottom) at W2 and W3 during mid-ebb were also recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41026- SS, Tur&DO41019

Monitoring Date 19/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	16:11	Ebb	SS	34.4	9.9	10.5	Limit
W2	16:14	Ebb	SS	43.4	9.9	10.5	Limit
W3	11:18	Flood	SS	45.8	17.7	20.1	Limit
W1	16:11	Ebb	Turbidity	14.4	13.4	14.8	Action
W2	16:14	Ebb	Turbidity	16.9	13.4	14.8	Limit
W3	16:17	Ebb	Turbidity	21.1	13.4	14.8	Limit
W1	16:11	Ebb	DO (surface and middle)	6.1	6.3	6.1	Action
W2	16:14	Ebb	DO (surface and middle)	6.1	6.3	6.1	Action
W3	16:17	Ebb	DO (surface and middle)	6.0	6.3	6.1	Limit
W2	11:14	Flood	DO (surface and middle)	6.2	6.4	6.3	Limit
W3	11:18	Flood	DO (surface and middle)	6.1	6.4	6.3	Limit
W2	16:14	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W3	16:17	Ebb	DO (bottom)	6.0	6.1	5.9	Action
WS	7:00:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	7:15:40	Flood	Turbidity	8.2	8.0	9.2	Action
WS	8:15:40	Flood	Turbidity	9.0	8.0	9.2	Action
WS	8:45:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	9:00:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	10:00:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	10:15:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	10:20:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	10:45:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	11:10:40	Flood	Turbidity	8.0	8.0	9.2	Action
WS	11:20:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	12:00:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	12:05:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	12:10:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	12:20:40	Flood	Turbidity	8.5	8.0	9.2	Action
WS	12:25:40	Flood	Turbidity	9.0	8.0	9.2	Action
WS	12:30:40	Flood	Turbidity	9.4	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:35:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	12:40:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	12:45:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	12:50:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	12:55:40	Flood	Turbidity	9.3	8.0	9.2	Limit
WS	13:00:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	13:05:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	13:10:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	13:15:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	13:20:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	13:25:40	Flood	Turbidity	9.3	8.0	9.2	Limit
WS	13:30:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	13:35:40	Flood	Turbidity	9.0	8.0	9.2	Action
WS	13:40:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	13:45:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	13:50:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	13:55:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	14:00:40	Flood	Turbidity	8.5	8.0	9.2	Action
WS	14:05:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	14:10:40	Flood	Turbidity	9.0	8.0	9.2	Action
WS	14:15:40	Flood	Turbidity	8.5	8.0	9.2	Action
WS	14:20:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	14:25:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	14:30:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	14:35:40	Flood	Turbidity	10.9	8.0	9.2	Limit
WS	14:40:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	14:45:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	14:50:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	14:55:40	Ebb	Turbidity	8.8	8.0	9.2	Action
WS	15:00:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	15:05:40	Ebb	Turbidity	9.2	8.0	9.2	Limit
WS	15:15:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	15:20:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	15:25:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	16:05:40	Ebb	Turbidity	9.0	8.0	9.2	Action
WS	16:10:40	Ebb	Turbidity	8.7	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	16:35:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	16:55:40	Ebb	Turbidity	8.2	8.0	9.2	Action
WS	17:25:40	Flood	Turbidity	10.1	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	9:05:40	Flood	DO	5.85	5.9	5.5	Action
WS	9:10:40	Flood	DO	5.85	5.9	5.5	Action
WS	9:15:40	Flood	DO	5.77	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. Events showing exceedances of Action and Limit levels for turbidity at W1, W2 and W3 during the mid-ebb tide and Action Level at WS were recorded. Similar to SS, the exceedances are unlikely caused by the Project works. Events showing exceedances of Action and Limit levels for DO (surface and middle) at W1, W2 and W3 during mid-ebb and at W2 and W3 during mid-flood were recorded. Events showing exceedances of Action level for DO (bottom) at W2 and W3 during mid-ebb were also recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41028- SS, Tur&DO41021

Monitoring Date 21/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	7:11	Ebb	SS	51.3	9.9	10.5	Limit
W2	7:15	Ebb	SS	52.2	9.9	10.5	Limit
W3	18:29	Flood	SS	47.4	17.7	20.1	Limit
W1	7:11	Ebb	Turbidity	14.6	13.4	14.8	Action
W2	7:15	Ebb	Turbidity	17.2	13.4	14.8	Limit
W3	7:18	Ebb	Turbidity	21.1	13.4	14.8	Limit
W1	7:11	Ebb	DO (surface and middle)	6.1	6.3	6.1	Action
W2	7:15	Ebb	DO (surface and middle)	6.1	6.3	6.1	Action
W3	7:18	Ebb	DO (surface and middle)	6.0	6.3	6.1	Limit
W2	18:27	Flood	DO (surface and middle)	6.2	6.4	6.3	Limit
W3	18:29	Flood	DO (surface and middle)	6.1	6.4	6.3	Limit
W2	7:15	Ebb	DO (bottom)	6.0	6.1	5.9	Action
W3	7:18	Ebb	DO (bottom)	6.0	6.1	5.9	Action
WS	8:00:40	Ebb	DO	5.90	5.9	5.5	Action
WS	8:05:40	Ebb	DO	5.86	5.9	5.5	Action
WS	8:10:40	Ebb	DO	5.81	5.9	5.5	Action
WS	8:15:40	Ebb	DO	5.75	5.9	5.5	Action
WS	8:20:40	Ebb	DO	5.70	5.9	5.5	Action
WS	8:25:40	Ebb	DO	5.64	5.9	5.5	Action
WS	8:30:40	Ebb	DO	5.60	5.9	5.5	Action
WS	8:35:40	Ebb	DO	5.53	5.9	5.5	Action
WS	8:40:40	Ebb	DO	5.48	5.9	5.5	Limit
WS	8:45:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	8:50:40	Ebb	DO	5.34	5.9	5.5	Limit
WS	8:55:40	Ebb	DO	5.29	5.9	5.5	Limit
WS	9:00:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	9:05:40	Ebb	DO	5.44	5.9	5.5	Limit
WS	9:10:40	Ebb	DO	5.41	5.9	5.5	Limit
WS	9:15:40	Ebb	DO	5.36	5.9	5.5	Limit
WS	9:20:40	Ebb	DO	5.43	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	9:25:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	9:30:40	Ebb	DO	5.34	5.9	5.5	Limit
WS	9:35:40	Ebb	DO	5.40	5.9	5.5	Limit
WS	9:40:40	Ebb	DO	5.37	5.9	5.5	Limit
WS	9:45:40	Ebb	DO	5.36	5.9	5.5	Limit
WS	9:50:40	Ebb	DO	5.39	5.9	5.5	Limit
WS	9:55:40	Ebb	DO	5.42	5.9	5.5	Limit
WS	10:00:40	Ebb	DO	5.31	5.9	5.5	Limit
WS	10:05:40	Flood	DO	5.31	5.9	5.5	Limit
WS	10:10:40	Flood	DO	5.30	5.9	5.5	Limit
WS	10:15:40	Flood	DO	5.33	5.9	5.5	Limit
WS	10:20:40	Flood	DO	5.33	5.9	5.5	Limit
WS	10:25:40	Flood	DO	5.35	5.9	5.5	Limit
WS	10:30:40	Flood	DO	5.32	5.9	5.5	Limit
WS	10:35:40	Flood	DO	5.33	5.9	5.5	Limit
WS	10:40:40	Flood	DO	5.29	5.9	5.5	Limit
WS	10:45:40	Flood	DO	5.29	5.9	5.5	Limit
WS	10:50:40	Flood	DO	5.29	5.9	5.5	Limit
WS	10:55:40	Flood	DO	5.30	5.9	5.5	Limit
WS	11:00:40	Flood	DO	5.30	5.9	5.5	Limit
WS	11:05:40	Flood	DO	5.29	5.9	5.5	Limit
WS	11:10:40	Flood	DO	5.30	5.9	5.5	Limit
WS	11:15:40	Flood	DO	5.27	5.9	5.5	Limit
WS	11:20:40	Flood	DO	5.26	5.9	5.5	Limit
WS	11:25:40	Flood	DO	5.26	5.9	5.5	Limit
WS	11:30:40	Flood	DO	5.25	5.9	5.5	Limit
WS	11:35:40	Flood	DO	5.24	5.9	5.5	Limit
WS	11:40:40	Flood	DO	5.23	5.9	5.5	Limit
WS	11:45:40	Flood	DO	5.23	5.9	5.5	Limit
WS	11:50:40	Flood	DO	5.22	5.9	5.5	Limit
WS	11:55:40	Flood	DO	5.23	5.9	5.5	Limit
WS	12:00:40	Flood	DO	5.22	5.9	5.5	Limit
WS	12:05:40	Flood	DO	5.19	5.9	5.5	Limit
WS	12:10:40	Flood	DO	5.22	5.9	5.5	Limit
WS	12:15:40	Flood	DO	5.18	5.9	5.5	Limit
WS	12:20:40	Flood	DO	5.27	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:25:40	Flood	DO	5.28	5.9	5.5	Limit
WS	12:30:40	Flood	DO	5.28	5.9	5.5	Limit
WS	12:35:40	Flood	DO	5.28	5.9	5.5	Limit
WS	12:40:40	Flood	DO	5.27	5.9	5.5	Limit
WS	12:45:40	Flood	DO	5.27	5.9	5.5	Limit
WS	12:50:40	Flood	DO	5.28	5.9	5.5	Limit
WS	12:55:40	Flood	DO	5.28	5.9	5.5	Limit
WS	13:00:40	Flood	DO	5.30	5.9	5.5	Limit
WS	13:05:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:10:40	Flood	DO	5.28	5.9	5.5	Limit
WS	13:15:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:20:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:25:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:30:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:35:40	Flood	DO	5.26	5.9	5.5	Limit
WS	13:40:40	Flood	DO	5.28	5.9	5.5	Limit
WS	13:45:40	Flood	DO	5.27	5.9	5.5	Limit
WS	13:50:40	Flood	DO	5.30	5.9	5.5	Limit
WS	13:55:40	Flood	DO	5.31	5.9	5.5	Limit
WS	14:00:40	Flood	DO	5.28	5.9	5.5	Limit
WS	14:05:40	Flood	DO	5.29	5.9	5.5	Limit
WS	14:10:40	Flood	DO	5.29	5.9	5.5	Limit
WS	14:15:40	Flood	DO	5.29	5.9	5.5	Limit
WS	14:20:40	Flood	DO	5.28	5.9	5.5	Limit
WS	14:25:40	Flood	DO	5.27	5.9	5.5	Limit
WS	14:30:40	Flood	DO	5.29	5.9	5.5	Limit
WS	14:35:40	Flood	DO	5.28	5.9	5.5	Limit
WS	14:40:40	Flood	DO	5.29	5.9	5.5	Limit
WS	14:45:40	Flood	DO	5.27	5.9	5.5	Limit
WS	14:50:40	Flood	DO	5.28	5.9	5.5	Limit
WS	14:55:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:00:40	Flood	DO	5.28	5.9	5.5	Limit
WS	15:05:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:10:40	Flood	DO	5.26	5.9	5.5	Limit
WS	15:15:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:20:40	Flood	DO	5.27	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	15:25:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:30:40	Flood	DO	5.26	5.9	5.5	Limit
WS	15:35:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:40:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:45:40	Flood	DO	5.27	5.9	5.5	Limit
WS	15:50:40	Flood	DO	5.26	5.9	5.5	Limit
WS	15:55:40	Flood	DO	5.26	5.9	5.5	Limit
WS	16:00:40	Flood	DO	5.26	5.9	5.5	Limit
WS	16:05:40	Flood	DO	5.26	5.9	5.5	Limit
WS	16:10:40	Flood	DO	5.25	5.9	5.5	Limit
WS	16:15:40	Flood	DO	5.25	5.9	5.5	Limit
WS	16:20:40	Flood	DO	5.26	5.9	5.5	Limit
WS	16:25:40	Flood	DO	5.24	5.9	5.5	Limit
WS	16:30:40	Flood	DO	5.24	5.9	5.5	Limit
WS	16:35:40	Flood	DO	5.23	5.9	5.5	Limit
WS	16:40:40	Flood	DO	5.24	5.9	5.5	Limit
WS	16:45:40	Flood	DO	5.24	5.9	5.5	Limit
WS	16:50:40	Flood	DO	5.23	5.9	5.5	Limit
WS	16:55:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:00:40	Flood	DO	5.22	5.9	5.5	Limit
WS	17:05:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:10:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:15:40	Flood	DO	5.25	5.9	5.5	Limit
WS	17:20:40	Flood	DO	5.25	5.9	5.5	Limit
WS	17:25:40	Flood	DO	5.22	5.9	5.5	Limit
WS	17:30:40	Flood	DO	5.22	5.9	5.5	Limit
WS	17:35:40	Flood	DO	5.22	5.9	5.5	Limit
WS	17:40:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:45:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:50:40	Flood	DO	5.23	5.9	5.5	Limit
WS	17:55:40	Flood	DO	5.21	5.9	5.5	Limit
WS	18:00:40	Flood	DO	5.23	5.9	5.5	Limit
WS	18:05:40	Flood	DO	5.23	5.9	5.5	Limit
WS	18:10:40	Flood	DO	5.24	5.9	5.5	Limit
WS	18:15:40	Flood	DO	5.23	5.9	5.5	Limit
WS	18:20:40	Flood	DO	5.23	5.9	5.5	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	18:25:40	Flood	DO	5.21	5.9	5.5	Limit
WS	18:30:40	Flood	DO	5.21	5.9	5.5	Limit
WS	18:35:40	Flood	DO	5.21	5.9	5.5	Limit
WS	18:40:40	Flood	DO	5.23	5.9	5.5	Limit
WS	18:45:40	Flood	DO	5.19	5.9	5.5	Limit
WS	18:50:40	Flood	DO	5.19	5.9	5.5	Limit
WS	18:55:40	Flood	DO	5.19	5.9	5.5	Limit
WS	19:00:40	Flood	DO	5.21	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 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. Events showing exceedances of Action and Limit levels for turbidity at W1, W2 and W3 during the mid-ebb tide were recorded. Similar to SS, the exceedances are unlikely caused by the Project works. Events showing exceedances of Action and Limit levels for DO (surface and middle) at W1, W2 and W3 during mid-ebb and at W2 and W3 during mid-flood were recorded. Events showing exceedances of Action level for DO (bottom) at W2 and W3 during mid-ebb were also recorded. 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41028- SS, Tur&DO41025

Monitoring Date 25/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	10:23	Ebb	SS	38.8	9.9	10.5	Limit
W2	10:27	Ebb	SS	42.3	9.9	10.5	Limit
W3	17:18	Flood	SS	48.2	17.7	20.1	Limit
WS	8:40:40	Ebb	DO	5.90	5.9	5.5	Action
WS	8:50:40	Ebb	DO	5.72	5.9	5.5	Action
WS	8:55:40	Ebb	DO	5.67	5.9	5.5	Action
WS	9:00:40	Ebb	DO	5.76	5.9	5.5	Action
WS	9:05:40	Ebb	DO	5.82	5.9	5.5	Action
WS	9:10:40	Ebb	DO	5.77	5.9	5.5	Action
WS	9:15:40	Ebb	DO	5.75	5.9	5.5	Action
WS	9:20:40	Ebb	DO	5.82	5.9	5.5	Action
WS	9:25:40	Ebb	DO	5.74	5.9	5.5	Action
WS	9:30:40	Ebb	DO	5.71	5.9	5.5	Action
WS	9:35:40	Ebb	DO	5.79	5.9	5.5	Action
WS	9:40:40	Ebb	DO	5.77	5.9	5.5	Action
WS	9:45:40	Ebb	DO	5.74	5.9	5.5	Action
WS	9:50:40	Ebb	DO	5.79	5.9	5.5	Action
WS	9:55:40	Ebb	DO	5.82	5.9	5.5	Action
WS	10:25:40	Ebb	DO	5.89	5.9	5.5	Action
WS	10:30:40	Ebb	DO	5.89	5.9	5.5	Action
WS	10:35:40	Ebb	DO	5.88	5.9	5.5	Action
WS	10:40:40	Ebb	DO	5.84	5.9	5.5	Action
WS	10:45:40	Ebb	DO	5.82	5.9	5.5	Action
WS	11:15:40	Ebb	DO	5.90	5.9	5.5	Action
WS	11:20:40	Ebb	DO	5.90	5.9	5.5	Action
WS	11:25:40	Ebb	DO	5.90	5.9	5.5	Action
WS	11:30:40	Ebb	DO	5.89	5.9	5.5	Action
WS	11:35:40	Ebb	DO	5.88	5.9	5.5	Action
WS	11:40:40	Ebb	DO	5.88	5.9	5.5	Action
WS	11:45:40	Ebb	DO	5.87	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	12:25:40	Ebb	DO	5.90	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. Exceedance of Action level for DO at WS during the monitoring period was 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

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41110- SS, Tur&DO41027

Monitoring Date 27/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:17	Ebb	Turbidity	19.9	13.4	14.8	Limit
W2	12:31	Ebb	Turbidity	20.8	13.4	14.8	Limit
W1	12:17	Ebb	SS	11.8	9.9	10.5	Limit
W2	12:31	Ebb	SS	15.1	9.9	10.5	Limit
W3	12:44	Flood	SS	18.7	17.7	20.1	Action
WS	8:30:40	Flood	DO	5.83	5.9	5.5	Action
WS	8:35:40	Flood	DO	5.83	5.9	5.5	Action
WS	8:40:40	Flood	DO	5.76	5.9	5.5	Action
WS	8:45:40	Flood	DO	5.69	5.9	5.5	Action
WS	8:50:40	Flood	DO	5.69	5.9	5.5	Action
WS	8:55:40	Ebb	DO	5.63	5.9	5.5	Action
WS	9:00:40	Ebb	DO	5.56	5.9	5.5	Action
WS	9:05:40	Ebb	DO	5.56	5.9	5.5	Action
WS	9:10:40	Ebb	DO	5.64	5.9	5.5	Action
WS	9:15:40	Ebb	DO	5.70	5.9	5.5	Action
WS	9:20:40	Ebb	DO	5.70	5.9	5.5	Action
WS	9:25:40	Ebb	DO	5.65	5.9	5.5	Action
WS	9:30:40	Ebb	DO	5.72	5.9	5.5	Action
WS	9:35:40	Ebb	DO	5.68	5.9	5.5	Action
WS	9:40:40	Ebb	DO	5.64	5.9	5.5	Action
WS	9:45:40	Ebb	DO	5.72	5.9	5.5	Action
WS	9:50:40	Ebb	DO	5.72	5.9	5.5	Action
WS	9:55:40	Ebb	DO	5.69	5.9	5.5	Action
WS	10:00:40	Ebb	DO	5.74	5.9	5.5	Action
WS	10:05:40	Ebb	DO	5.80	5.9	5.5	Action
WS	10:20:40	Ebb	DO	5.90	5.9	5.5	Action
WS	10:25:40	Ebb	DO	5.89	5.9	5.5	Action
WS	10:30:40	Ebb	DO	5.86	5.9	5.5	Action
WS	10:35:40	Ebb	DO	5.85	5.9	5.5	Action
WS	10:40:40	Ebb	DO	5.83	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	10:45:40	Ebb	DO	5.82	5.9	5.5	Action
WS	10:50:40	Ebb	DO	5.79	5.9	5.5	Action
WS	10:55:40	Ebb	DO	5.78	5.9	5.5	Action
WS	11:00:40	Ebb	DO	5.89	5.9	5.5	Action
WS	11:05:40	Ebb	DO	5.88	5.9	5.5	Action
WS	11:10:40	Ebb	DO	5.88	5.9	5.5	Action
WS	11:15:40	Ebb	DO	5.87	5.9	5.5	Action
WS	11:20:40	Ebb	DO	5.78	5.9	5.5	Action
WS	11:25:40	Ebb	DO	5.71	5.9	5.5	Action
WS	11:30:40	Ebb	DO	5.76	5.9	5.5	Action
WS	11:35:40	Ebb	DO	5.76	5.9	5.5	Action
WS	11:40:40	Ebb	DO	5.75	5.9	5.5	Action
WS	11:45:40	Ebb	DO	5.74	5.9	5.5	Action
WS	11:50:40	Ebb	DO	5.74	5.9	5.5	Action
WS	11:55:40	Ebb	DO	5.79	5.9	5.5	Action
WS	12:00:40	Ebb	DO	5.75	5.9	5.5	Action
WS	12:05:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:10:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:15:40	Ebb	DO	5.75	5.9	5.5	Action
WS	12:20:40	Ebb	DO	5.75	5.9	5.5	Action
WS	12:25:40	Ebb	DO	5.67	5.9	5.5	Action
WS	12:30:40	Ebb	DO	5.72	5.9	5.5	Action
WS	12:35:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:40:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:45:40	Ebb	DO	5.74	5.9	5.5	Action
WS	12:50:40	Ebb	DO	5.83	5.9	5.5	Action
WS	12:55:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:00:40	Ebb	DO	5.84	5.9	5.5	Action
WS	13:05:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:10:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:15:40	Ebb	DO	5.82	5.9	5.5	Action
WS	13:20:40	Ebb	DO	5.82	5.9	5.5	Action
WS	13:25:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:30:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:35:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:40:40	Ebb	DO	5.83	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	13:45:40	Ebb	DO	5.83	5.9	5.5	Action
WS	13:50:40	Ebb	DO	5.82	5.9	5.5	Action
WS	13:55:40	Ebb	DO	5.83	5.9	5.5	Action
WS	14:00:40	Ebb	DO	5.82	5.9	5.5	Action
WS	14:05:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:10:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:15:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:20:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:25:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:30:40	Ebb	DO	5.85	5.9	5.5	Action
WS	14:35:40	Ebb	DO	5.86	5.9	5.5	Action
WS	14:40:40	Flood	DO	5.84	5.9	5.5	Action
WS	14:45:40	Flood	DO	5.84	5.9	5.5	Action
WS	14:50:40	Flood	DO	5.85	5.9	5.5	Action
WS	14:55:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:00:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:05:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:10:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:15:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:20:40	Flood	DO	5.84	5.9	5.5	Action
WS	15:40:40	Flood	DO	5.90	5.9	5.5	Action
WS	15:45:40	Flood	DO	5.89	5.9	5.5	Action
WS	16:00:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:05:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:10:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:15:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:20:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:25:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:30:40	Flood	DO	5.86	5.9	5.5	Action
WS	16:35:40	Flood	DO	5.85	5.9	5.5	Action
WS	16:40:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:45:40	Flood	DO	5.84	5.9	5.5	Action
WS	16:50:40	Flood	DO	5.86	5.9	5.5	Action
WS	16:55:40	Flood	DO	5.82	5.9	5.5	Action
WS	17:00:40	Flood	DO	5.80	5.9	5.5	Action
WS	17:05:40	Flood	DO	5.80	5.9	5.5	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
WS	17:10:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:15:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:20:40	Flood	DO	5.82	5.9	5.5	Action
WS	17:25:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:30:40	Flood	DO	5.80	5.9	5.5	Action
WS	17:35:40	Flood	DO	5.80	5.9	5.5	Action
WS	17:40:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:45:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:50:40	Flood	DO	5.80	5.9	5.5	Action
WS	17:55:40	Flood	DO	5.79	5.9	5.5	Action
WS	18:00:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:05:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:10:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:15:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:20:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:25:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:30:40	Flood	DO	5.80	5.9	5.5	Action
WS	18:35:40	Flood	DO	5.78	5.9	5.5	Action
WS	18:40:40	Flood	DO	5.78	5.9	5.5	Action
WS	18:45:40	Flood	DO	5.77	5.9	5.5	Action
WS	18:50:40	Flood	DO	5.76	5.9	5.5	Action
WS	18:55:40	Flood	DO	5.76	5.9	5.5	Action
WS	19:00:40	Flood	DO	5.77	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 exceedances of Action level W3 during mid-flood tide were recorded. Since the exceedance at W1, which is the closest to the project, is 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. Events showing exceedances of Limit level for turbidity at W1 and W2 during the mid-ebb tide were record. Since the exceedance at W3 is smaller than that of control station W2 during mid-ebb tide, the exceedance of turbidity was unlikely due to project. Exceedance of Action level for DO at WS during the monitoring period was 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
N/A
(c) action taken under the action plan
N/A
(d) ET's conclusions and recommendations for mitigation
N/A
(e) Contractor's actions to implement the mitigation
N/A
(f) Contractor's comment
N/A

**Interim Notifications of Environmental Quality Limits Exceedances
 (Water Quality Monitoring)**

Report No. 41111- SS, Tur&DO41029

Monitoring Date 29/10/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level	Limit Level	Level Exceeded
W1	12:32	Ebb	Turbidity	13.7	13.4	14.8	Limit
W2	12:35	Ebb	Turbidity	13.8	13.4	14.8	Limit
W1	12:32	Ebb	SS	11.7	9.9	10.5	Limit
W2	12:35	Ebb	SS	14.3	9.9	10.5	Limit
WS	17:25:40	Flood	DO	5.89	5.9	5.5	Action
WS	17:30:40	Flood	DO	5.87	5.9	5.5	Action
WS	17:35:40	Flood	DO	5.87	5.9	5.5	Action
WS	17:40:40	Flood	DO	5.85	5.9	5.5	Action
WS	17:45:40	Flood	DO	5.81	5.9	5.5	Action
WS	17:50:40	Flood	DO	5.82	5.9	5.5	Action
WS	17:55:40	Flood	DO	5.85	5.9	5.5	Action
WS	18:00:40	Flood	DO	5.83	5.9	5.5	Action
WS	18:05:40	Flood	DO	5.79	5.9	5.5	Action
WS	18:10:40	Flood	DO	5.82	5.9	5.5	Action
WS	18:30:40	Flood	DO	5.90	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 were recorded. Since the exceedance at W1, which is the closest to the project, is smaller than that of the control station W2 during mid-ebb tide, the exceedances of SS were unlikely due to the project. Events showing exceedances of Limit level for turbidity at W1 and W2 during the mid-ebb tide were record. Since the exceedance at W3 is smaller than that of control station W2 during mid-ebb tide, the exceedance of turbidity was unlikely due to project. Exceedance of Action level for DO at WS during the monitoring period was 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
N/A
(c) action taken under the action plan
N/A
(d) ET's conclusions and recommendations for mitigation
N/A
(e) Contractor's actions to implement the mitigation
N/A
(f) Contractor's comment
N/A