

### Appendix G – Summary of Exceedance in this Reporting Month

Report No. 40311-tb1

Monitoring Date 4/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	7:00:40	Flood	Turbidity	16.3	8.0	9.2	Limit
WS	7:05:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	7:10:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	7:15:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	7:25:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	7:30:40	Flood	Turbidity	16.7	8.0	9.2	Limit
WS	7:35:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	7:40:40	Flood	Turbidity	16.0	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	18.1	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	18.7	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	17.8	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	18.2	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	19.1	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	19.7	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	19.3	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	19.4	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	19.7	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	21.0	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	20.7	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	21.9	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	20.6	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	9:15:40	Flood	Turbidity	22.4	8.0	9.2	Limit
WS	9:20:40	Flood	Turbidity	20.7	8.0	9.2	Limit
WS	9:25:40	Flood	Turbidity	22.5	8.0	9.2	Limit
WS	9:30:40	Flood	Turbidity	23.3	8.0	9.2	Limit
WS	9:35:40	Flood	Turbidity	20.7	8.0	9.2	Limit
WS	9:40:40	Flood	Turbidity	20.6	8.0	9.2	Limit
WS	9:45:40	Flood	Turbidity	22.0	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	23.2	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	21.1	8.0	9.2	Limit
WS	10:00:40	Flood	Turbidity	20.9	8.0	9.2	Limit
WS	10:05:40	Ebb	Turbidity	20.7	8.0	9.2	Limit
WS	10:10:40	Ebb	Turbidity	21.3	8.0	9.2	Limit
WS	10:15:40	Ebb	Turbidity	21.4	8.0	9.2	Limit
WS	10:20:40	Ebb	Turbidity	20.3	8.0	9.2	Limit
WS	10:25:40	Ebb	Turbidity	21.9	8.0	9.2	Limit
WS	10:30:40	Ebb	Turbidity	19.7	8.0	9.2	Limit
WS	10:35:40	Ebb	Turbidity	22.3	8.0	9.2	Limit
WS	10:40:40	Ebb	Turbidity	23.6	8.0	9.2	Limit
WS	10:45:40	Ebb	Turbidity	22.8	8.0	9.2	Limit
WS	10:50:40	Ebb	Turbidity	25.0	8.0	9.2	Limit
WS	10:55:40	Ebb	Turbidity	24.7	8.0	9.2	Limit
WS	11:00:40	Ebb	Turbidity	26.4	8.0	9.2	Limit
WS	11:05:40	Ebb	Turbidity	26.4	8.0	9.2	Limit
WS	11:10:40	Ebb	Turbidity	27.2	8.0	9.2	Limit
WS	11:15:40	Ebb	Turbidity	27.1	8.0	9.2	Limit
WS	11:20:40	Ebb	Turbidity	26.2	8.0	9.2	Limit
WS	11:25:40	Ebb	Turbidity	26.0	8.0	9.2	Limit
WS	11:30:40	Ebb	Turbidity	27.1	8.0	9.2	Limit
WS	11:35:40	Ebb	Turbidity	27.7	8.0	9.2	Limit
WS	11:40:40	Ebb	Turbidity	28.7	8.0	9.2	Limit
WS	11:45:40	Ebb	Turbidity	24.7	8.0	9.2	Limit
WS	11:50:40	Ebb	Turbidity	22.4	8.0	9.2	Limit
WS	11:55:40	Ebb	Turbidity	24.9	8.0	9.2	Limit
WS	12:00:40	Ebb	Turbidity	21.1	8.0	9.2	Limit
WS	12:05:40	Ebb	Turbidity	18.9	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	12:10:40	Ebb	Turbidity	20.4	8.0	9.2	Limit
WS	12:15:40	Ebb	Turbidity	22.3	8.0	9.2	Limit
WS	12:20:40	Ebb	Turbidity	22.0	8.0	9.2	Limit
WS	12:25:40	Ebb	Turbidity	25.7	8.0	9.2	Limit
WS	12:30:40	Ebb	Turbidity	24.5	8.0	9.2	Limit
WS	12:35:40	Ebb	Turbidity	22.2	8.0	9.2	Limit
WS	12:40:40	Ebb	Turbidity	23.2	8.0	9.2	Limit
WS	12:45:40	Ebb	Turbidity	22.4	8.0	9.2	Limit
WS	12:50:40	Ebb	Turbidity	24.3	8.0	9.2	Limit
WS	12:55:40	Ebb	Turbidity	21.8	8.0	9.2	Limit
WS	13:00:40	Ebb	Turbidity	20.2	8.0	9.2	Limit
WS	13:05:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	13:10:40	Flood	Turbidity	18.3	8.0	9.2	Limit
WS	13:15:40	Flood	Turbidity	18.8	8.0	9.2	Limit
WS	13:20:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	13:25:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	13:30:40	Flood	Turbidity	17.6	8.0	9.2	Limit
WS	13:35:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	13:40:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	13:45:40	Flood	Turbidity	21.0	8.0	9.2	Limit
WS	13:50:40	Flood	Turbidity	17.9	8.0	9.2	Limit
WS	13:55:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	14:00:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	14:05:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	14:10:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	14:15:40	Flood	Turbidity	15.0	8.0	9.2	Limit
WS	14:20:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	14:25:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	14:30:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	14:35:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	14:40:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	14:45:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	14:50:40	Flood	Turbidity	14.9	8.0	9.2	Limit
WS	14:55:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	15:00:40	Flood	Turbidity	14.6	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	15:05:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	15:10:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	15:15:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	15:20:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	15:25:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	15:30:40	Flood	Turbidity	13.2	8.0	9.2	Limit
WS	15:35:40	Flood	Turbidity	13.6	8.0	9.2	Limit
WS	15:40:40	Flood	Turbidity	14.0	8.0	9.2	Limit
WS	15:45:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	15:50:40	Flood	Turbidity	13.3	8.0	9.2	Limit
WS	15:55:40	Flood	Turbidity	12.4	8.0	9.2	Limit
WS	16:00:40	Flood	Turbidity	12.6	8.0	9.2	Limit
WS	16:05:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	16:10:40	Flood	Turbidity	14.9	8.0	9.2	Limit
WS	16:15:40	Flood	Turbidity	15.0	8.0	9.2	Limit
WS	16:20:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	16:25:40	Flood	Turbidity	13.7	8.0	9.2	Limit
WS	16:30:40	Flood	Turbidity	13.6	8.0	9.2	Limit
WS	16:35:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	16:40:40	Flood	Turbidity	13.0	8.0	9.2	Limit
WS	16:45:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	16:50:40	Flood	Turbidity	13.8	8.0	9.2	Limit
WS	16:55:40	Flood	Turbidity	13.3	8.0	9.2	Limit
WS	17:00:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	17:05:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	17:10:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	17:15:40	Flood	Turbidity	14.9	8.0	9.2	Limit
WS	17:20:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	17:25:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	17:30:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	17:40:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	17:45:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	17:50:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	17:55:40	Flood	Turbidity	16.7	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	18:00:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	18:05:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	18:10:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	18:15:40	Flood	Turbidity	16.8	8.0	9.2	Limit
WS	18:20:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	18:25:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	18:30:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	18:35:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	18:40:40	Flood	Turbidity	15.7	8.0	9.2	Limit
WS	18:45:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	18:50:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	18:55:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	19:00:40	Flood	Turbidity	16.6	8.0	9.2	Limit

**Remarks**

(a) cause of exceedances It was found that there was a consistent exceedance of limit level for turbidity at the monitoring location WS during the monitoring period (07:00 to 19:00). However, the corresponding turbidity and SS data at all other water quality monitoring stations (W1 to W3) did not exceed either the Action or Limit levels. The cause of the exceedances should be checked with the site diary of the Contractor.
(b) action required under the action plan Review the water monitoring data on the next day
(c) action taken under the action plan Inform all relevant parties and keep monitoring
(d) ET's conclusions and recommendations for mitigation Further investigation required
(e) Contractor's actions to implement the mitigation Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No.** 40311-tb2

Monitoring Date 5/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	7:00:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	7:05:40	Flood	Turbidity	16.0	8.0	9.2	Limit
WS	7:10:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	7:15:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	15.7	8.0	9.2	Limit
WS	7:25:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	7:30:40	Flood	Turbidity	14.9	8.0	9.2	Limit
WS	7:35:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	7:40:40	Flood	Turbidity	15.0	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	16.3	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	15.0	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	20.0	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	18.6	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	19.1	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	21.5	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	20.8	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	22.1	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	25.5	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	24.5	8.0	9.2	Limit
WS	9:15:40	Flood	Turbidity	25.0	8.0	9.2	Limit
WS	9:20:40	Flood	Turbidity	24.6	8.0	9.2	Limit
WS	9:25:40	Flood	Turbidity	23.9	8.0	9.2	Limit
WS	9:30:40	Flood	Turbidity	22.5	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	9:35:40	Flood	Turbidity	22.8	8.0	9.2	Limit
WS	9:40:40	Flood	Turbidity	22.3	8.0	9.2	Limit
WS	9:45:40	Flood	Turbidity	23.4	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	22.5	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	22.3	8.0	9.2	Limit
WS	10:00:40	Flood	Turbidity	22.0	8.0	9.2	Limit
WS	10:05:40	Flood	Turbidity	21.9	8.0	9.2	Limit
WS	10:10:40	Ebb	Turbidity	22.0	8.0	9.2	Limit
WS	10:15:40	Ebb	Turbidity	20.9	8.0	9.2	Limit
WS	10:20:40	Ebb	Turbidity	20.9	8.0	9.2	Limit
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WS	10:40:40	Ebb	Turbidity	21.3	8.0	9.2	Limit
WS	10:45:40	Ebb	Turbidity	21.4	8.0	9.2	Limit
WS	10:50:40	Ebb	Turbidity	21.1	8.0	9.2	Limit
WS	10:55:40	Ebb	Turbidity	21.4	8.0	9.2	Limit
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WS	11:45:40	Ebb	Turbidity	18.4	8.0	9.2	Limit
WS	11:50:40	Ebb	Turbidity	18.3	8.0	9.2	Limit
WS	11:55:40	Ebb	Turbidity	18.2	8.0	9.2	Limit
WS	12:00:40	Ebb	Turbidity	18.0	8.0	9.2	Limit
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WS	12:15:40	Ebb	Turbidity	19.1	8.0	9.2	Limit
WS	12:20:40	Ebb	Turbidity	18.3	8.0	9.2	Limit
WS	12:25:40	Ebb	Turbidity	17.3	8.0	9.2	Limit

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WS	12:30:40	Ebb	Turbidity	17.5	8.0	9.2	Limit
WS	12:35:40	Ebb	Turbidity	17.5	8.0	9.2	Limit
WS	12:40:40	Ebb	Turbidity	18.1	8.0	9.2	Limit
WS	12:45:40	Ebb	Turbidity	18.1	8.0	9.2	Limit
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WS	13:15:40	Ebb	Turbidity	18.3	8.0	9.2	Limit
WS	13:20:40	Ebb	Turbidity	18.5	8.0	9.2	Limit
WS	13:25:40	Ebb	Turbidity	18.3	8.0	9.2	Limit
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WS	13:35:40	Ebb	Turbidity	18.0	8.0	9.2	Limit
WS	13:40:40	Ebb	Turbidity	17.9	8.0	9.2	Limit
WS	13:45:40	Ebb	Turbidity	18.6	8.0	9.2	Limit
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WS	14:15:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	14:20:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	14:25:40	Flood	Turbidity	17.5	8.0	9.2	Limit
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WS	14:40:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	14:45:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	14:50:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	14:55:40	Flood	Turbidity	17.1	8.0	9.2	Limit
WS	15:00:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	15:05:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	15:10:40	Flood	Turbidity	16.9	8.0	9.2	Limit
WS	15:15:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	15:20:40	Flood	Turbidity	17.5	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
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WS	15:40:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	15:45:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	15:50:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	15:55:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	16:00:40	Flood	Turbidity	17.8	8.0	9.2	Limit
WS	16:05:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	16:10:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	16:15:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	16:20:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	16:25:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	16:30:40	Flood	Turbidity	17.6	8.0	9.2	Limit
WS	16:35:40	Flood	Turbidity	17.5	8.0	9.2	Limit
WS	16:40:40	Flood	Turbidity	18.1	8.0	9.2	Limit
WS	16:45:40	Flood	Turbidity	17.9	8.0	9.2	Limit
WS	16:50:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	16:55:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	17:00:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	17:05:40	Flood	Turbidity	18.1	8.0	9.2	Limit
WS	17:10:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	17:15:40	Flood	Turbidity	18.2	8.0	9.2	Limit
WS	17:20:40	Flood	Turbidity	18.1	8.0	9.2	Limit
WS	17:25:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	17:30:40	Flood	Turbidity	19.3	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	19.2	8.0	9.2	Limit
WS	17:40:40	Flood	Turbidity	18.5	8.0	9.2	Limit
WS	17:45:40	Flood	Turbidity	18.4	8.0	9.2	Limit
WS	17:50:40	Flood	Turbidity	19.1	8.0	9.2	Limit
WS	17:55:40	Flood	Turbidity	19.1	8.0	9.2	Limit
WS	18:00:40	Flood	Turbidity	18.7	8.0	9.2	Limit
WS	18:05:40	Flood	Turbidity	18.8	8.0	9.2	Limit
WS	18:10:40	Flood	Turbidity	19.0	8.0	9.2	Limit
WS	18:15:40	Flood	Turbidity	18.1	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	18:20:40	Flood	Turbidity	18.4	8.0	9.2	Limit
WS	18:25:40	Flood	Turbidity	18.4	8.0	9.2	Limit
WS	18:30:40	Flood	Turbidity	18.0	8.0	9.2	Limit
WS	18:35:40	Flood	Turbidity	18.4	8.0	9.2	Limit
WS	18:40:40	Flood	Turbidity	18.7	8.0	9.2	Limit
WS	18:45:40	Flood	Turbidity	18.3	8.0	9.2	Limit
WS	18:50:40	Flood	Turbidity	18.3	8.0	9.2	Limit
WS	18:55:40	Flood	Turbidity	18.3	8.0	9.2	Limit
WS	19:00:40	Flood	Turbidity	17.6	8.0	9.2	Limit

**Remarks**

(a) cause of exceedances It was found that there was a consistent exceedance of limit level for turbidity at the monitoring location WS during the monitoring period (07:00 to 19:00). However, the corresponding turbidity and SS data at all other water quality monitoring stations (W1 to W3) did not exceed either the Action or Limit levels. As reported by the Contractor, no marine construction activities were carried out on the monitoring day so the exceedance might not be due to the Project. The exceedance might be due to the natural fluctuation affected by the tidal currents and the influence of the sediment discharge from Pearl River.
(b) action required under the action plan N/A. But the water monitoring data will be kept reviewing.
(c) action taken under the action plan N/A
(d) ET's conclusions and recommendations for mitigation Not due to the Project as no marine construction activities were carried out on the monitoring day.
(e) Contractor's actions to implement the mitigation N/A. The Contractor is reminded to provide mitigation measures to avoid loose soils or excavated materials near the coast or on the temporary jetty from flushing down to the sea.
(f) Contractor's comment

Report No. 40311-tb3

Monitoring Date 6/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	7:00:40	Flood	Turbidity	17.9	8.0	9.2	Limit
WS	7:05:40	Flood	Turbidity	18.1	8.0	9.2	Limit
WS	7:10:40	Flood	Turbidity	18.3	8.0	9.2	Limit
WS	7:15:40	Flood	Turbidity	17.8	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	7:25:40	Flood	Turbidity	17.6	8.0	9.2	Limit
WS	7:30:40	Flood	Turbidity	17.7	8.0	9.2	Limit
WS	7:35:40	Flood	Turbidity	17.6	8.0	9.2	Limit
WS	7:40:40	Flood	Turbidity	17.4	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	16.8	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	15.4	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	14.9	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	15.0	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:15:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:20:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	9:25:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	9:30:40	Flood	Turbidity	14.0	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	9:35:40	Flood	Turbidity	13.7	8.0	9.2	Limit
WS	9:40:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	9:45:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	10:00:40	Flood	Turbidity	14.0	8.0	9.2	Limit
WS	10:05:40	Flood	Turbidity	14.2	8.0	9.2	Limit
WS	10:10:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	10:15:40	Ebb	Turbidity	15.3	8.0	9.2	Limit
WS	10:20:40	Ebb	Turbidity	16.0	8.0	9.2	Limit
WS	10:25:40	Ebb	Turbidity	17.8	8.0	9.2	Limit
WS	10:30:40	Ebb	Turbidity	17.3	8.0	9.2	Limit
WS	10:35:40	Ebb	Turbidity	18.2	8.0	9.2	Limit
WS	10:40:40	Ebb	Turbidity	20.4	8.0	9.2	Limit
WS	10:45:40	Ebb	Turbidity	20.0	8.0	9.2	Limit
WS	10:50:40	Ebb	Turbidity	19.8	8.0	9.2	Limit
WS	10:55:40	Ebb	Turbidity	19.4	8.0	9.2	Limit
WS	11:00:40	Ebb	Turbidity	19.8	8.0	9.2	Limit
WS	11:05:40	Ebb	Turbidity	20.3	8.0	9.2	Limit
WS	11:10:40	Ebb	Turbidity	18.8	8.0	9.2	Limit
WS	11:15:40	Ebb	Turbidity	19.4	8.0	9.2	Limit
WS	11:20:40	Ebb	Turbidity	18.6	8.0	9.2	Limit
WS	11:25:40	Ebb	Turbidity	18.8	8.0	9.2	Limit
WS	11:30:40	Ebb	Turbidity	16.2	8.0	9.2	Limit
WS	11:35:40	Ebb	Turbidity	16.3	8.0	9.2	Limit
WS	11:40:40	Ebb	Turbidity	16.7	8.0	9.2	Limit
WS	11:45:40	Ebb	Turbidity	15.6	8.0	9.2	Limit
WS	11:50:40	Ebb	Turbidity	14.7	8.0	9.2	Limit
WS	11:55:40	Ebb	Turbidity	15.8	8.0	9.2	Limit
WS	12:00:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	12:05:40	Ebb	Turbidity	15.3	8.0	9.2	Limit
WS	12:10:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	12:15:40	Ebb	Turbidity	16.0	8.0	9.2	Limit
WS	12:20:40	Ebb	Turbidity	15.6	8.0	9.2	Limit
WS	12:25:40	Ebb	Turbidity	15.4	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	12:30:40	Ebb	Turbidity	15.4	8.0	9.2	Limit
WS	12:35:40	Ebb	Turbidity	15.8	8.0	9.2	Limit
WS	12:40:40	Ebb	Turbidity	15.8	8.0	9.2	Limit
WS	12:45:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	12:50:40	Ebb	Turbidity	16.0	8.0	9.2	Limit
WS	12:55:40	Ebb	Turbidity	16.2	8.0	9.2	Limit
WS	13:00:40	Ebb	Turbidity	15.8	8.0	9.2	Limit
WS	13:05:40	Ebb	Turbidity	16.1	8.0	9.2	Limit
WS	13:10:40	Ebb	Turbidity	18.1	8.0	9.2	Limit
WS	13:15:40	Ebb	Turbidity	16.6	8.0	9.2	Limit
WS	13:20:40	Ebb	Turbidity	16.7	8.0	9.2	Limit
WS	13:25:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	13:30:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	13:35:40	Ebb	Turbidity	14.9	8.0	9.2	Limit
WS	13:40:40	Ebb	Turbidity	14.9	8.0	9.2	Limit
WS	13:45:40	Ebb	Turbidity	15.7	8.0	9.2	Limit
WS	13:50:40	Flood	Turbidity	17.4	8.0	9.2	Limit
WS	13:55:40	Flood	Turbidity	17.9	8.0	9.2	Limit
WS	14:00:40	Flood	Turbidity	17.9	8.0	9.2	Limit
WS	14:05:40	Flood	Turbidity	17.4	8.0	9.2	Limit
WS	14:10:40	Flood	Turbidity	16.7	8.0	9.2	Limit
WS	14:15:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	14:20:40	Flood	Turbidity	15.4	8.0	9.2	Limit
WS	14:25:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	14:30:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	14:35:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	14:40:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	14:45:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	14:50:40	Flood	Turbidity	17.8	8.0	9.2	Limit
WS	14:55:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	15:00:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	15:05:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	15:10:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	15:15:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	15:20:40	Flood	Turbidity	15.1	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	15:25:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	15:30:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	15:35:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	15:40:40	Flood	Turbidity	15.4	8.0	9.2	Limit
WS	15:45:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	15:50:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	15:55:40	Flood	Turbidity	14.6	8.0	9.2	Limit
WS	16:00:40	Flood	Turbidity	14.4	8.0	9.2	Limit
WS	16:05:40	Flood	Turbidity	14.1	8.0	9.2	Limit
WS	16:10:40	Flood	Turbidity	14.3	8.0	9.2	Limit
WS	16:15:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	16:20:40	Flood	Turbidity	15.7	8.0	9.2	Limit
WS	16:25:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	16:30:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	16:35:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	16:40:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	16:45:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	16:50:40	Flood	Turbidity	17.8	8.0	9.2	Limit
WS	16:55:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	17:00:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	17:05:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	17:10:40	Flood	Turbidity	16.8	8.0	9.2	Limit
WS	17:15:40	Flood	Turbidity	17.0	8.0	9.2	Limit
WS	17:20:40	Flood	Turbidity	16.6	8.0	9.2	Limit
WS	17:25:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	17:30:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	16.4	8.0	9.2	Limit
WS	17:40:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	17:45:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	17:50:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	17:55:40	Flood	Turbidity	16.0	8.0	9.2	Limit
WS	18:00:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	18:05:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	18:10:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	18:15:40	Flood	Turbidity	15.6	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	18:20:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	18:25:40	Flood	Turbidity	15.4	8.0	9.2	Limit
WS	18:30:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	18:35:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	18:40:40	Flood	Turbidity	15.8	8.0	9.2	Limit
WS	18:45:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	18:50:40	Flood	Turbidity	16.0	8.0	9.2	Limit
WS	18:55:40	Flood	Turbidity	16.2	8.0	9.2	Limit
WS	19:00:40	Flood	Turbidity	16.5	8.0	9.2	Limit

**Remarks**

<p>(a) cause of exceedances</p> <p>It was found that there was a consistent exceedance of limit level for turbidity at the monitoring location WS during the monitoring period (07:00 to 19:00). However, the corresponding turbidity and SS data at all other water quality monitoring stations (W1 to W3) did not exceed either the Action or Limit levels.</p> <p>As reported by the Contractor, sand filling was carried out in the morning (from 9:50 to 10:45) and a yellowish plume was identified near the working platform. The work was stopped at 10:45. Therefore, the cause of the exceedances were due to the marine construction activities (sand filling).</p>
<p>(b) action required under the action plan</p> <p>Keep on the water monitoring on the next working day; report the exceedance; recommend the mitigation measures.</p>
<p>(c) action taken under the action plan</p> <p>The source of impact was identified and the water quality monitoring on the next working day was conducted.</p>
<p>(d) ET's conclusions and recommendations for mitigation</p> <p>The exceedance was due to the sand filling activities and the spillage through the gaps of the concrete blocks. The Contractor was recommended to repair and make good the defects of the geotextile prior to receiving sand filling. The installation of the silt curtain to enclosing the work area can be considered.</p>
<p>(e) Contractor's actions to implement the mitigation</p> <p>The Contractor stopped the sand filling and took remedial actions to fill up the gaps with geotextile. No further sand filling activities was carried out on the day.</p>
<p>(f) Contractor's comment</p>

**Report No. 40313-tb & ss**

Monitoring Date 8/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
W1	8:42	Flood	Turbidity	28.2	22.7	25.1	Limit
W1	14:29	Ebb	Turbidity	28.0	13.4	14.8	Limit
W2	8:32	Flood	Turbidity	26.6	22.7	25.1	Limit
W2	14:21	Ebb	SS	15.0	9.9	10.5	Limit
W2	14:21	Ebb	Turbidity	36.0	13.4	14.8	Limit
W3	8:51	Flood	Turbidity	26.5	22.7	25.1	Limit
W3	14:37	Ebb	SS	18.9	9.9	10.5	Limit
W3	14:37	Ebb	Turbidity	35.6	13.4	14.8	Limit
WS	7:00:40	Flood	Turbidity	19.8	8.0	9.2	Limit
WS	7:05:40	Flood	Turbidity	19.8	8.0	9.2	Limit
WS	7:10:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	7:15:40	Flood	Turbidity	20.2	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	14.3	8.0	9.2	Limit
WS	7:25:40	Flood	Turbidity	17.2	8.0	9.2	Limit
WS	7:30:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	7:35:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	7:40:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	12.9	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	13.2	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	14.4	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	14.6	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	17.6	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	15.8	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	8:55:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	15.2	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	15.9	8.0	9.2	Limit
WS	9:15:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	9:20:40	Flood	Turbidity	17.3	8.0	9.2	Limit
WS	9:25:40	Flood	Turbidity	15	8.0	9.2	Limit
WS	9:30:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:35:40	Flood	Turbidity	15.6	8.0	9.2	Limit
WS	9:40:40	Flood	Turbidity	13	8.0	9.2	Limit
WS	9:45:40	Flood	Turbidity	14.8	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	13	8.0	9.2	Limit
WS	10:00:40	Flood	Turbidity	12.5	8.0	9.2	Limit
WS	10:05:40	Flood	Turbidity	14.4	8.0	9.2	Limit
WS	10:10:40	Flood	Turbidity	14.7	8.0	9.2	Limit
WS	10:15:40	Flood	Turbidity	15.5	8.0	9.2	Limit
WS	10:20:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	10:25:40	Flood	Turbidity	20.5	8.0	9.2	Limit
WS	10:30:40	Flood	Turbidity	16.1	8.0	9.2	Limit
WS	10:35:40	Ebb	Turbidity	13.6	8.0	9.2	Limit
WS	10:40:40	Ebb	Turbidity	12	8.0	9.2	Limit
WS	10:45:40	Ebb	Turbidity	11.3	8.0	9.2	Limit
WS	10:50:40	Ebb	Turbidity	10.4	8.0	9.2	Limit
WS	10:55:40	Ebb	Turbidity	9.6	8.0	9.2	Limit
WS	11:00:40	Ebb	Turbidity	8.7	8.0	9.2	Action
WS	11:05:40	Ebb	Turbidity	9.8	8.0	9.2	Limit
WS	11:10:40	Ebb	Turbidity	8.9	8.0	9.2	Action
WS	11:15:40	Ebb	Turbidity	8.4	8.0	9.2	Action
WS	11:20:40	Ebb	Turbidity	9.1	8.0	9.2	Limit
WS	11:25:40	Ebb	Turbidity	8.9	8.0	9.2	Action
WS	11:30:40	Ebb	Turbidity	10.5	8.0	9.2	Limit
WS	11:35:40	Ebb	Turbidity	13	8.0	9.2	Limit
WS	11:40:40	Ebb	Turbidity	9.7	8.0	9.2	Limit
WS	11:45:40	Ebb	Turbidity	10.5	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	11:50:40	Ebb	Turbidity	10.1	8.0	9.2	Limit
WS	11:55:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	12:00:40	Ebb	Turbidity	11.7	8.0	9.2	Limit
WS	12:05:40	Ebb	Turbidity	12	8.0	9.2	Limit
WS	12:10:40	Ebb	Turbidity	10.4	8.0	9.2	Limit
WS	12:15:40	Ebb	Turbidity	10.1	8.0	9.2	Limit
WS	12:20:40	Ebb	Turbidity	11.2	8.0	9.2	Limit
WS	12:25:40	Ebb	Turbidity	13.1	8.0	9.2	Limit
WS	12:30:40	Ebb	Turbidity	12.6	8.0	9.2	Limit
WS	12:35:40	Ebb	Turbidity	12.7	8.0	9.2	Limit
WS	12:40:40	Ebb	Turbidity	13.8	8.0	9.2	Limit
WS	12:45:40	Ebb	Turbidity	13.8	8.0	9.2	Limit
WS	12:50:40	Ebb	Turbidity	17.8	8.0	9.2	Limit
WS	12:55:40	Ebb	Turbidity	16.1	8.0	9.2	Limit
WS	13:00:40	Ebb	Turbidity	15.1	8.0	9.2	Limit
WS	13:05:40	Ebb	Turbidity	14.4	8.0	9.2	Limit
WS	13:10:40	Ebb	Turbidity	14.7	8.0	9.2	Limit
WS	13:15:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	13:20:40	Ebb	Turbidity	16.7	8.0	9.2	Limit
WS	13:25:40	Ebb	Turbidity	15.3	8.0	9.2	Limit
WS	13:30:40	Ebb	Turbidity	14.3	8.0	9.2	Limit
WS	13:35:40	Ebb	Turbidity	13.7	8.0	9.2	Limit
WS	13:40:40	Ebb	Turbidity	15.4	8.0	9.2	Limit
WS	13:45:40	Ebb	Turbidity	15.1	8.0	9.2	Limit
WS	13:50:40	Ebb	Turbidity	13.9	8.0	9.2	Limit
WS	13:55:40	Ebb	Turbidity	13.7	8.0	9.2	Limit
WS	14:00:40	Ebb	Turbidity	12.5	8.0	9.2	Limit
WS	14:05:40	Ebb	Turbidity	12.2	8.0	9.2	Limit
WS	14:10:40	Ebb	Turbidity	11.8	8.0	9.2	Limit
WS	14:15:40	Ebb	Turbidity	12	8.0	9.2	Limit
WS	14:20:40	Ebb	Turbidity	12.2	8.0	9.2	Limit
WS	14:25:40	Ebb	Turbidity	12.2	8.0	9.2	Limit
WS	14:30:40	Ebb	Turbidity	13	8.0	9.2	Limit
WS	14:35:40	Ebb	Turbidity	13.3	8.0	9.2	Limit
WS	14:40:40	Ebb	Turbidity	13.2	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	14:45:40	Ebb	Turbidity	11.4	8.0	9.2	Limit
WS	14:50:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	14:55:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	15:00:40	Ebb	Turbidity	9.9	8.0	9.2	Limit
WS	15:05:40	Ebb	Turbidity	9.8	8.0	9.2	Limit
WS	15:10:40	Ebb	Turbidity	10.1	8.0	9.2	Limit
WS	15:15:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	15:20:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	15:25:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	15:30:40	Ebb	Turbidity	10.9	8.0	9.2	Limit
WS	15:35:40	Ebb	Turbidity	10.7	8.0	9.2	Limit
WS	15:40:40	Ebb	Turbidity	10.8	8.0	9.2	Limit
WS	15:45:40	Ebb	Turbidity	10	8.0	9.2	Limit
WS	15:50:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	15:55:40	Ebb	Turbidity	9.2	8.0	9.2	Limit
WS	16:00:40	Ebb	Turbidity	9.3	8.0	9.2	Limit
WS	16:05:40	Ebb	Turbidity	9	8.0	9.2	Action
WS	16:10:40	Ebb	Turbidity	9.3	8.0	9.2	Limit
WS	16:15:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	16:20:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	16:25:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	16:30:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	16:35:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	16:40:40	Flood	Turbidity	9	8.0	9.2	Action
WS	16:45:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	16:50:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	16:55:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	17:00:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	17:05:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	17:10:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	17:15:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	17:20:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	17:25:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	17:30:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	9.8	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	17:40:40	Flood	Turbidity	10	8.0	9.2	Limit
WS	17:45:40	Flood	Turbidity	10.9	8.0	9.2	Limit
WS	17:50:40	Flood	Turbidity	12.1	8.0	9.2	Limit
WS	17:55:40	Flood	Turbidity	12	8.0	9.2	Limit
WS	18:00:40	Flood	Turbidity	10.7	8.0	9.2	Limit
WS	18:05:40	Flood	Turbidity	10.1	8.0	9.2	Limit
WS	18:10:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	18:15:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	18:20:40	Flood	Turbidity	8.8	8.0	9.2	Action
WS	18:25:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	18:30:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	18:35:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	18:40:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	18:45:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	18:50:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	18:55:40	Flood	Turbidity	9	8.0	9.2	Action
WS	19:00:40	Flood	Turbidity	9.3	8.0	9.2	Limit

**Remarks**

(a) cause of exceedances
It was found that exceedances of limit level for turbidity at all the monitoring locations W1, W2 and W3 for both mid-ebb and mid-flood tides. Also the turbidity levels at WS exceeded the Action/Limit Levels all the time during the monitoring period (07:00 to 19:00). However, exceedances of Limit Levels for the corresponding SS data only occurred at W2 and W3 only. Therefore, the cause of exceedance might not be due to the project because W1 is closer to the project but no exceedance of SS was recorded.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, Request Contractor to submit daily diary and details of construction and keep monitoring
(d) ET's conclusions and recommendations for mitigation
Exceedances not likely due to the Project; further investigation required
(e) Contractor's actions to implement the mitigation
Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No. 40313-tb2**

Monitoring Date 9/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
W1	8:32	Flood	Turbidity	24.3	22.7	25.1	Action
W1	14:42	Ebb	Turbidity	13.6	13.4	14.8	Action
W2	8:26	Flood	Turbidity	35.1	22.7	25.1	Limit
W2	14:33	Ebb	Turbidity	18.9	13.4	14.8	Limit
W3	8:38	Flood	Turbidity	22.8	22.7	25.1	Action
W3	14:47	Ebb	Turbidity	19.8	13.4	14.8	Limit
WS	7:05:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	7:10:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	7:15:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	7:25:40	Flood	Turbidity	8.5	8.0	9.2	Action
WS	7:30:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	7:35:40	Flood	Turbidity	8.2	8.0	9.2	Action
WS	7:40:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	7:45:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	7:50:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	7:55:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	8:00:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	8:05:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	8:15:40	Flood	Turbidity	9	8.0	9.2	Action
WS	8:20:40	Flood	Turbidity	11	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	9.3	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	9	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	10.7	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	10.9	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	10.8	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	9:15:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	9:20:40	Flood	Turbidity	10.3	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	10:00:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:05:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:10:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:15:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:20:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:25:40	Flood	Turbidity	9	8.0	9.2	Action
WS	10:30:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	10:35:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	10:40:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	10:45:40	Flood	Turbidity	11.9	8.0	9.2	Limit
WS	10:50:40	Flood	Turbidity	11.7	8.0	9.2	Limit
WS	10:55:40	Flood	Turbidity	10.8	8.0	9.2	Limit
WS	11:00:40	Flood	Turbidity	13.3	8.0	9.2	Limit
WS	11:05:40	Ebb	Turbidity	12.2	8.0	9.2	Limit
WS	11:10:40	Ebb	Turbidity	9.2	8.0	9.2	Limit
WS	11:15:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	11:20:40	Ebb	Turbidity	9.7	8.0	9.2	Limit
WS	11:25:40	Ebb	Turbidity	9.2	8.0	9.2	Limit
WS	11:30:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	11:35:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	11:50:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	11:55:40	Ebb	Turbidity	8.5	8.0	9.2	Action
WS	12:05:40	Ebb	Turbidity	8	8.0	9.2	Action

**Remarks**

(a) cause of exceedances
It was found that exceedances of Action/Limit levels for turbidity at all the monitoring locations W1, W2 and W3 for both mid-ebb and mid-flood tides. Also the turbidity levels at WS exceeded the Action/Limit Levels in the morning (before noon). However, the corresponding SS data for all monitoring stations W1, W2 and W3 were well within the limits. Therefore, the cause of exceedance might not be due to the project because SS is a more direct indication of impact. In addition, there are many influencing factors causing the water turbid, such as tidal currents, seasonal variation, movement of marine vessels and sediment plume from Pearl River.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, Request Contractor to submit daily diary and details of construction and keep monitoring
(d) ET's conclusions and recommendations for mitigation
Further investigation required
(e) Contractor's actions to implement the mitigation
Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No. 40313-tb3**

Monitoring Date 10/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
W3	15:49	Ebb	Turbidity	15.4	13.4	14.8	Limit
WS	7:05:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	7:10:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	7:15:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	7:20:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	7:25:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	7:30:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	7:40:40	Flood	Turbidity	11	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	10.1	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	10.2	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	11.2	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	10	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	11.9	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	11.5	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	10.1	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	11.1	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	11.8	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	11.4	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	10	8.0	9.2	Limit
WS	9:15:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	9:20:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	9:40:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	9:45:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	10.4	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	9.1	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	10:00:40	Flood	Turbidity	9.6	8.0	9.2	Limit
WS	10:05:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	10:10:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	10:15:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	10:20:40	Flood	Turbidity	8.2	8.0	9.2	Action

**Remarks**

(a) cause of exceedances It was found that exceedances of Action/Limit levels for turbidity at the monitoring location W3 only during for both mid-ebb tide. Also the turbidity levels at WS exceeded the Action/Limit Levels in between 7:00 and 10:00. However, the corresponding SS data for all monitoring stations W1, W2 and W3 were well within the limits and also there was no exceedance at W1, where is closer to the project. Therefore, the cause of exceedance might not be due to the project because SS is a more direct indication of impact. In addition, there are many influencing factors causing the water turbid, such as tidal currents, seasonal variation, movement of marine vessels and sediment plume from Pearl River.
(b) action required under the action plan Implement Event Action Plan
(c) action taken under the action plan Inform all relevant parties, Request Contractor to submit daily diary and details of construction and keep monitoring
(d) ET's conclusions and recommendations for mitigation Further investigation required
(e) Contractor's actions to implement the mitigation Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No. 40313-tb1**

Monitoring Date 19/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
W1	12:06	Ebb	Turbidity	18.2	13.4	14.8	Limit
W2	12:28	Ebb	Turbidity	18.8	13.4	14.8	Limit
W3	12:16	Ebb	Turbidity	17.2	13.4	14.8	Limit
WS	7:00:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	7:05:40	Flood	Turbidity	12.4	8.0	9.2	Limit
WS	7:10:40	Flood	Turbidity	13.7	8.0	9.2	Limit
WS	7:15:40	Flood	Turbidity	14.4	8.0	9.2	Limit
WS	7:20:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	7:25:40	Flood	Turbidity	12.9	8.0	9.2	Limit
WS	7:30:40	Flood	Turbidity	12.4	8.0	9.2	Limit
WS	7:35:40	Flood	Turbidity	11.4	8.0	9.2	Limit
WS	7:40:40	Flood	Turbidity	10.9	8.0	9.2	Limit
WS	7:45:40	Flood	Turbidity	13.4	8.0	9.2	Limit
WS	7:50:40	Flood	Turbidity	17.1	8.0	9.2	Limit
WS	7:55:40	Flood	Turbidity	15.1	8.0	9.2	Limit
WS	8:00:40	Flood	Turbidity	14.5	8.0	9.2	Limit
WS	8:05:40	Flood	Turbidity	15.3	8.0	9.2	Limit
WS	8:10:40	Flood	Turbidity	14.4	8.0	9.2	Limit
WS	8:15:40	Flood	Turbidity	13.6	8.0	9.2	Limit
WS	8:20:40	Flood	Turbidity	13.6	8.0	9.2	Limit
WS	8:25:40	Flood	Turbidity	13.6	8.0	9.2	Limit
WS	8:30:40	Flood	Turbidity	13.8	8.0	9.2	Limit
WS	8:35:40	Flood	Turbidity	13.2	8.0	9.2	Limit
WS	8:40:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	8:45:40	Flood	Turbidity	13	8.0	9.2	Limit
WS	8:50:40	Flood	Turbidity	12.9	8.0	9.2	Limit
WS	8:55:40	Flood	Turbidity	12.3	8.0	9.2	Limit
WS	9:00:40	Flood	Turbidity	12	8.0	9.2	Limit
WS	9:05:40	Flood	Turbidity	13	8.0	9.2	Limit
WS	9:10:40	Flood	Turbidity	12.4	8.0	9.2	Limit
WS	9:15:40	Flood	Turbidity	11.6	8.0	9.2	Limit

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	9:20:40	Flood	Turbidity	13.3	8.0	9.2	Limit
WS	9:25:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	9:30:40	Flood	Turbidity	12.6	8.0	9.2	Limit
WS	9:35:40	Flood	Turbidity	12.7	8.0	9.2	Limit
WS	9:40:40	Flood	Turbidity	11.9	8.0	9.2	Limit
WS	9:45:40	Flood	Turbidity	11.6	8.0	9.2	Limit
WS	9:50:40	Flood	Turbidity	11.8	8.0	9.2	Limit
WS	9:55:40	Flood	Turbidity	11.2	8.0	9.2	Limit
WS	10:00:40	Ebb	Turbidity	10.7	8.0	9.2	Limit
WS	10:05:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	10:10:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	10:15:40	Ebb	Turbidity	10.9	8.0	9.2	Limit
WS	10:20:40	Ebb	Turbidity	10.6	8.0	9.2	Limit
WS	10:25:40	Ebb	Turbidity	10.1	8.0	9.2	Limit
WS	10:30:40	Ebb	Turbidity	11.3	8.0	9.2	Limit
WS	10:35:40	Ebb	Turbidity	10.4	8.0	9.2	Limit
WS	10:40:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	10:45:40	Ebb	Turbidity	9.7	8.0	9.2	Limit
WS	10:50:40	Ebb	Turbidity	9.6	8.0	9.2	Limit
WS	10:55:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	11:00:40	Ebb	Turbidity	9.7	8.0	9.2	Limit
WS	11:05:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	11:10:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	11:15:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	11:20:40	Ebb	Turbidity	11.7	8.0	9.2	Limit
WS	11:25:40	Ebb	Turbidity	12	8.0	9.2	Limit
WS	11:30:40	Ebb	Turbidity	10.2	8.0	9.2	Limit
WS	11:35:40	Ebb	Turbidity	12	8.0	9.2	Limit
WS	11:40:40	Ebb	Turbidity	10.4	8.0	9.2	Limit
WS	11:45:40	Ebb	Turbidity	15.5	8.0	9.2	Limit
WS	11:50:40	Ebb	Turbidity	14.4	8.0	9.2	Limit
WS	11:55:40	Ebb	Turbidity	11.1	8.0	9.2	Limit
WS	12:00:40	Ebb	Turbidity	8.9	8.0	9.2	Action
WS	12:05:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	12:10:40	Ebb	Turbidity	8.7	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	12:15:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	12:20:40	Ebb	Turbidity	8.3	8.0	9.2	Action
WS	12:25:40	Ebb	Turbidity	8.2	8.0	9.2	Action
WS	12:30:40	Ebb	Turbidity	8.1	8.0	9.2	Action
WS	12:35:40	Ebb	Turbidity	8.2	8.0	9.2	Action
WS	12:40:40	Ebb	Turbidity	8	8.0	9.2	Action
WS	12:50:40	Ebb	Turbidity	8.8	8.0	9.2	Action
WS	12:55:40	Ebb	Turbidity	9	8.0	9.2	Action
WS	13:00:40	Ebb	Turbidity	9.6	8.0	9.2	Limit
WS	13:05:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	13:10:40	Ebb	Turbidity	10	8.0	9.2	Limit
WS	13:15:40	Ebb	Turbidity	12.9	8.0	9.2	Limit
WS	13:20:40	Ebb	Turbidity	10.3	8.0	9.2	Limit
WS	13:25:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	13:30:40	Ebb	Turbidity	9.2	8.0	9.2	Limit
WS	13:35:40	Ebb	Turbidity	9	8.0	9.2	Action
WS	13:40:40	Ebb	Turbidity	8.9	8.0	9.2	Action
WS	13:45:40	Ebb	Turbidity	9.5	8.0	9.2	Limit
WS	13:50:40	Ebb	Turbidity	8.7	8.0	9.2	Action
WS	13:55:40	Ebb	Turbidity	9	8.0	9.2	Action
WS	14:00:40	Ebb	Turbidity	9	8.0	9.2	Action
WS	14:05:40	Ebb	Turbidity	8.9	8.0	9.2	Action
WS	14:10:40	Ebb	Turbidity	9.6	8.0	9.2	Limit
WS	14:15:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	14:20:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	14:25:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	14:30:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	14:35:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	14:40:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	14:45:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	14:55:40	Flood	Turbidity	8	8.0	9.2	Action
WS	15:05:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	15:30:40	Flood	Turbidity	8.5	8.0	9.2	Action
WS	15:35:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	15:40:40	Flood	Turbidity	8.7	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	15:45:40	Flood	Turbidity	8.9	8.0	9.2	Action
WS	15:50:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	15:55:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	16:00:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	16:05:40	Flood	Turbidity	10.2	8.0	9.2	Limit
WS	16:10:40	Flood	Turbidity	10.8	8.0	9.2	Limit
WS	16:15:40	Flood	Turbidity	10.5	8.0	9.2	Limit
WS	16:20:40	Flood	Turbidity	11.1	8.0	9.2	Limit
WS	16:25:40	Flood	Turbidity	12.6	8.0	9.2	Limit
WS	16:30:40	Flood	Turbidity	13.9	8.0	9.2	Limit
WS	16:35:40	Flood	Turbidity	10.8	8.0	9.2	Limit
WS	16:40:40	Flood	Turbidity	9.5	8.0	9.2	Limit
WS	16:45:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	16:50:40	Flood	Turbidity	9.7	8.0	9.2	Limit
WS	16:55:40	Flood	Turbidity	9.8	8.0	9.2	Limit
WS	17:00:40	Flood	Turbidity	9.9	8.0	9.2	Limit
WS	17:05:40	Flood	Turbidity	9.2	8.0	9.2	Limit
WS	17:10:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	17:15:40	Flood	Turbidity	10.1	8.0	9.2	Limit
WS	17:20:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	17:25:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	17:30:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	17:35:40	Flood	Turbidity	9.4	8.0	9.2	Limit
WS	17:40:40	Flood	Turbidity	8.4	8.0	9.2	Action
WS	17:45:40	Flood	Turbidity	8	8.0	9.2	Action
WS	17:50:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	17:55:40	Flood	Turbidity	9	8.0	9.2	Action
WS	18:00:40	Flood	Turbidity	9	8.0	9.2	Action
WS	18:05:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	18:10:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	18:15:40	Flood	Turbidity	9	8.0	9.2	Action
WS	18:20:40	Flood	Turbidity	9.1	8.0	9.2	Action
WS	18:25:40	Flood	Turbidity	9	8.0	9.2	Action
WS	18:30:40	Flood	Turbidity	8.6	8.0	9.2	Action
WS	18:35:40	Flood	Turbidity	8.1	8.0	9.2	Action

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	18:40:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	18:45:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	18:50:40	Flood	Turbidity	8.7	8.0	9.2	Action
WS	18:55:40	Flood	Turbidity	8.3	8.0	9.2	Action
WS	19:00:40	Flood	Turbidity	8.3	8.0	9.2	Action

**Remarks**

(a) cause of exceedances It was found that exceedances of Action/Limit levels for turbidity at the monitoring location W1, W2 and W3 during for the mid-ebb tide. Also the turbidity levels at WS exceeded the Action/Limit Levels throughout the monitoring period. However, the corresponding SS data for all monitoring stations W1, W2 and W3 were well within the limits. In addition, the Contractor reported that no marine construction activity was carried out in the last week as the temporary jetty and the working platform have been completed. The construction for the permanent jetty has not been started. Therefore, the cause of exceedances of the turbidity were not likely due to the project. In fact, there are many influencing factors causing the water turbid, such as tidal currents, seasonal variation, movement of marine vessels and sediment plume from Pearl River. Also SS is a more direct indication of water impact caused by the project.
(b) action required under the action plan Implement Event Action Plan
(c) action taken under the action plan Inform all relevant parties, Request Contractor to submit daily diary and details of construction and Keep monitoring
(d) ET's conclusions and recommendations for mitigation Not likely due to the Project; Further investigation required
(e) Contractor's actions to implement the mitigation Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No. 40326-tb1**

Monitoring Date                      24/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	10:30:40	Flood	Turbidity	8.1	8.0	9.2	Action
WS	16:10:40	Ebb	Turbidity	11.1	8.0	9.2	Limit
WS	16:15:40	Ebb	Turbidity	11.7	8.0	9.2	Limit
WS	16:20:40	Ebb	Turbidity	10.1	8.0	9.2	Limit
WS	16:45:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	16:50:40	Ebb	Turbidity	10.2	8.0	9.2	Limit
WS	16:55:40	Ebb	Turbidity	9.8	8.0	9.2	Limit
WS	17:00:40	Ebb	Turbidity	9.4	8.0	9.2	Limit
WS	17:05:40	Ebb	Turbidity	8.6	8.0	9.2	Action
WS	17:10:40	Ebb	Turbidity	8.2	8.0	9.2	Action
WS	17:45:40	Flood	Turbidity	8.2	8.0	9.2	Action

**Remarks**

(a) cause of exceedances
It was found that exceedances of Action/Limit levels for turbidity at the monitoring location WS throughout the monitoring period. However, the corresponding SS data for all monitoring stations W1, W2 and W3 were well within the limits. In fact, there are many influencing factors causing the water turbid, such as tidal currents, seasonal variation, movement of marine vessels and sediment plume from Pearl River. As SS is a more direct indication of water impact caused by the project, there was no direct evidence demonstrating the exceedances caused by the project.
(b) action required under the action plan
Implement Event Action Plan
(c) action taken under the action plan
Inform all relevant parties, Request Contractor to submit daily diary and details of construction and Keep monitoring
(d) ET's conclusions and recommendations for mitigation
Not likely due to the Project; Further investigation required
(e) Contractor's actions to implement the mitigation
Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment

**Report No. 40326-tb2**

Monitoring Date                      25/3/2004

Station No.	Time of Measurement	Tide	Monitoring Parameter(s)	Measured value	Action Level (mg/l)	Target Level (mg/l)	Level Exceeded
WS	11:35:40	Ebb	Turbidity	8.0	8.0	9.2	Action

**Remarks**

(a) cause of exceedances It was found that an exceedance of Action level for turbidity at the monitoring location WS at 11:35a.m. However, the measured parameters at all monitoring stations W1, W2 and W3 were well within the limits. In fact, there are many influencing factors causing the water turbid, such as tidal currents, seasonal variation, movement of marine vessels and sediment plume from Pearl River. As SS is a more direct indication of water impact caused by the project, there was no direct evidence demonstrating the exceedances caused by the project.
(b) action required under the action plan Implement Event Action Plan
(c) action taken under the action plan Inform all relevant parties, Request Contractor to submit daily diary and details of construction and Keep monitoring
(d) ET's conclusions and recommendations for mitigation Not likely due to the Project; Further investigation required
(e) Contractor's actions to implement the mitigation Provide the site diary and describe the details of the construction activities related to water quality.
(f) Contractor's comment