

**Annex C1 Impact Water Quality Monitoring Results during First Round Monitoring on 27 December 2012**

Date: 27-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	0710-0728	36.0	W	1.1	Surface	19.2	19.3	19.3	26.6	26.7	26.7	7.1	7.1	7.1	90.8	90.2	90.5	3.6	3.7	3.7		6.4	6.7	6.6	
					Middle	19.3	19.4	19.4	27.0	26.9	27.0	7.1	7.0	7.1	90.0	89.4	89.7	3.5	3.5	3.5	3.7	7.0	7.2	7.1	7.1
					Bottom	19.4	19.4	19.4	27.1	27.1	27.1	6.9	6.9	6.9	87.9	87.2	87.6	3.8	3.8	3.8		7.6	7.7	7.7	
E8	0735-0752	21.2	W	1.2	Surface	19.2	19.3	19.3	26.7	26.6	26.7	7.1	7.0	7.1	89.9	89.5	89.7	3.6	3.7	3.6		6.4	6.3	6.4	
					Middle	19.4	19.3	19.4	26.8	26.9	26.9	7.0	6.9	7.0	88.8	88.3	88.6	3.5	3.4	3.4	3.6	6.9	7.0	7.0	6.9
					Bottom	19.4	19.5	19.5	27.1	27.1	27.1	6.8	6.8	6.8	87.0	86.6	86.8	3.8	3.9	3.8		7.4	7.5	7.5	
S1	0800-0815	9.8	W	1.1	Surface	19.3	19.3	19.3	26.6	26.6	26.6	7.0	6.9	7.0	88.5	88.2	88.4	3.7	3.7	3.7		6.6	6.6	6.6	
					Middle	19.3	19.4	19.4	26.7	26.6	26.7	6.9	6.8	6.8	87.3	86.7	87.0	3.9	3.9	3.9	3.8	6.9	7.0	7.0	7.0
					Bottom	19.4	19.4	19.4	26.8	26.9	26.9	6.8	6.7	6.7	86.0	85.3	85.7	3.9	3.9	3.9		7.4	7.6	7.5	
G1	0817-0822	12.0	W	1.1	Surface	19.3	19.4	19.4	26.7	26.7	26.7	6.9	7.0	7.0	88.0	88.7	88.4	4.0	3.9	3.9		6.8	6.8	6.8	
					Middle	19.4	19.4	19.4	26.7	26.8	26.8	6.9	6.8	6.8	87.4	86.6	87.0	4.1	4.1	4.1	4.0	7.0	7.2	7.1	7.1
					Bottom	19.5	19.4	19.5	26.9	27.0	27.0	6.7	6.7	6.7	85.7	85.2	85.5	4.1	4.2	4.1		7.2	7.4	7.3	
E7	0823-0840	13.6	W	1.2	Surface	19.4	19.4	19.4	26.7	26.8	26.8	7.0	6.9	6.9	88.5	87.9	88.2	3.9	3.9	3.9		6.6	6.4	6.5	
					Middle	19.4	19.5	19.5	26.9	26.9	26.9	6.8	6.8	6.8	86.9	86.5	86.7	3.7	3.8	3.7	3.9	6.8	6.9	6.9	6.9
					Bottom	19.5	19.5	19.5	27.0	27.0	27.0	6.7	6.8	6.7	85.5	85.8	85.7	4.0	4.0	4.0		7.4	7.3	7.4	
F1	0848-0903	11.8	W	1.1	Surface	19.4	19.4	19.4	26.7	26.8	26.8	7.0	7.1	7.0	89.2	89.6	89.4	3.8	3.8	3.8		7.0	7.2	7.1	
					Middle	19.4	19.4	19.4	26.8	26.9	26.9	6.9	6.9	6.9	87.7	87.2	87.5	3.9	3.9	3.9	3.9	7.4	7.4	7.4	7.4
					Bottom	19.5	19.4	19.5	26.9	27.0	27.0	6.8	6.8	6.8	86.9	86.2	86.6	4.0	4.1	4.0		7.7	7.6	7.7	
G3	0909-0925	15.8	W	1.1	Surface	19.3	19.4	19.4	26.8	26.7	26.8	7.0	7.1	7.1	89.5	90.0	89.8	3.8	3.7	3.8		6.4	6.3	6.4	
					Middle	19.4	19.5	19.5	26.9	26.9	26.9	7.0	6.9	7.0	88.6	88.1	88.4	3.8	3.9	3.8	3.8	6.8	6.8	6.8	6.8
					Bottom	19.5	19.6	19.6	27.0	27.0	27.0	6.7	6.8	6.7	85.6	86.0	85.8	3.9	4.0	4.0		7.2	7.0	7.1	
E9	0930-0948	20.0	W	1.0	Surface	19.4	19.4	19.4	26.7	26.6	26.7	7.0	6.9	7.0	88.6	88.1	88.4	3.9	4.0	4.0		6.9	6.9	6.9	
					Middle	19.5	19.5	19.5	26.9	26.9	26.9	6.9	6.9	6.9	87.7	87.1	87.4	4.0	4.1	4.1	4.0	7.2	7.3	7.3	7.3
					Bottom	19.5	19.6	19.6	27.0	27.1	27.1	6.8	6.8	6.8	86.4	85.9	86.2	4.2	4.1	4.1		7.6	7.9	7.8	
S2	0953-1008	11.4	W	1.1	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.0	6.9	6.9	88.3	87.8	88.1	4.1	4.1	4.1		6.4	6.5	6.5	
					Middle	19.5	19.4	19.5	26.7	26.8	26.8	6.9	6.8	6.9	87.4	86.9	87.2	4.2	4.3	4.2	4.2	7.0	6.9	7.0	6.9
					Bottom	19.5	19.5	19.5	26.8	26.9	26.9	6.8	6.7	6.8	86.2	85.6	85.9	4.3	4.3	4.3		7.3	7.4	7.4	
G2	1013-1029	13.6	W	1.1	Surface	19.4	19.5	19.5	26.6	26.6	26.6	6.9	6.9	6.9	87.0	87.6	87.3	4.1	4.1	4.1		7.2	7.0	7.1	
					Middle	19.5	19.5	19.5	26.7	26.8	26.8	6.8	6.8	6.8	86.3	86.0	86.2	4.2	4.2	4.2	4.2	7.4	7.6	7.5	7.5
					Bottom	19.5	19.6	19.6	26.9	26.9	26.9	6.7	6.7	6.7	85.3	85.0	85.2	4.3	4.3	4.3		7.8	8.0	7.9	
S3	1035-1050	10.6	W	1.2	Surface	19.5	19.5	19.5	26.6	26.6	26.6	6.9	6.8	6.8	87.3	86.7	87.0	4.0	4.1	4.1		7.4	7.4	7.4	
					Middle	19.5	19.6	19.6	26.7	26.7	26.7	6.8	6.8	6.8	86.1	85.8	86.0	4.2	4.2	4.2	4.2	7.5	7.4	7.5	7.4
					Bottom	19.5	19.6	19.6	26.8	26.8	26.8	6.6	6.7	6.7	84.4	85.1	84.8	4.3	4.3	4.3		7.3	7.4	7.4	

Remark or Observation:

Note: \* Average \*\* Depth Average

### Annex C2 Impact Water Quality Monitoring Results during Second Round Monitoring on 27 December 2012

Date: 27-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1110-1126	35.8	E	1.0	Surface	19.4	19.3	19.4	26.6	26.7	26.7	7.2	7.2	7.2	91.3	91.6	91.5	3.5	3.6	3.5		6.2	6.4	6.3	
					Middle	19.4	19.4	19.4	26.9	26.9	26.9	7.0	7.0	7.0	89.2	89.0	89.1	3.7	3.8	3.7	3.7	6.7	6.8	6.8	6.8
					Bottom	19.4	19.5	19.5	27.0	27.1	27.1	6.7	6.8	6.8	85.6	86.1	85.9	3.8	3.9	3.8		7.3	7.2	7.3	
E8	1133-1150	21.0	E	0.8	Surface	19.4	19.3	19.4	26.5	26.6	26.6	7.0	6.9	7.0	89.0	88.1	88.6	3.8	3.7	3.7		6.5	6.4	6.5	
					Middle	19.4	19.5	19.5	26.9	27.0	27.0	6.8	6.8	6.8	86.9	86.4	86.7	3.8	3.8	3.8	3.8	6.9	7.0	7.0	6.9
					Bottom	19.4	19.4	19.4	27.0	27.0	27.0	6.7	6.7	6.7	84.9	85.3	85.1	3.9	4.0	4.0		7.4	7.4	7.4	
S1	1157-1214	9.4	E	0.9	Surface	19.4	19.3	19.4	26.7	26.6	26.7	6.9	6.8	6.9	87.6	86.9	87.3	3.8	3.9	3.8		6.6	6.8	6.7	
					Middle	19.4	19.5	19.5	26.8	26.9	26.9	6.7	6.8	6.8	85.6	86.1	85.9	3.9	3.9	3.9	3.9	7.3	7.1	7.2	7.2
					Bottom	19.5	19.5	19.5	27.1	27.0	27.1	6.7	6.8	6.8	85.3	86.1	85.7	4.0	4.0	4.0		7.5	7.6	7.6	
G1	1220-1239	11.8	E	1.0	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.1	7.2	7.2	90.4	91.4	90.9	3.6	3.7	3.7		6.7	6.6	6.7	
					Middle	19.4	19.4	19.4	26.9	27.0	27.0	7.0	7.1	7.0	89.2	89.5	89.4	3.9	3.8	3.8	3.8	6.8	7.0	6.9	7.0
					Bottom	19.5	19.5	19.5	27.0	27.7	27.4	6.9	7.0	7.0	88.1	88.4	88.3	4.0	4.1	4.1		7.2	7.4	7.3	
E7	1245-1302	13.2	E	1.0	Surface	19.3	19.4	19.4	26.5	26.6	26.6	7.1	7.1	7.1	89.9	90.2	90.1	3.7	3.8	3.8		6.6	6.6	6.6	
					Middle	19.4	19.4	19.4	26.8	26.9	26.9	6.9	6.9	6.9	88.1	87.9	88.0	3.8	3.7	3.8	3.9	7.1	7.0	7.1	7.0
					Bottom	19.4	19.5	19.5	27.1	27.1	27.1	6.9	6.9	6.9	87.2	87.6	87.4	4.1	4.2	4.2		7.4	7.5	7.5	
F1	1310-1327	11.4	E	1.1	Surface	19.4	19.4	19.4	26.4	26.5	26.5	6.9	7.0	7.0	87.9	88.6	88.3	3.8	3.8	3.8		6.8	6.8	6.8	
					Middle	19.5	19.4	19.5	26.9	27.0	27.0	6.8	6.9	6.8	86.6	86.9	86.8	3.8	3.9	3.9	3.9	7.1	7.3	7.2	7.2
					Bottom	19.5	19.5	19.5	27.1	27.0	27.1	6.9	6.9	6.9	87.0	87.2	87.1	4.1	4.1	4.1		7.5	7.5	7.5	
G3	1333-1350	15.2	E	1.1	Surface	19.4	19.4	19.4	26.5	26.6	26.6	6.9	6.9	6.9	87.4	87.6	87.5	3.7	3.7	3.7		6.5	6.3	6.4	
					Middle	19.4	19.4	19.4	26.9	26.9	26.9	6.8	6.8	6.8	86.7	86.5	86.6	3.8	3.7	3.8	3.9	7.0	6.8	6.9	6.8
					Bottom	19.5	19.4	19.5	27.0	27.1	27.1	6.7	6.8	6.8	85.3	86.1	85.7	4.2	4.2	4.2		7.0	7.2	7.1	
E9	1354-1410	19.6	E	1.0	Surface	19.4	19.4	19.4	26.7	26.7	26.7	7.2	7.2	7.2	91.2	91.4	91.3	3.5	3.5	3.5		6.4	6.6	6.5	
					Middle	19.5	19.5	19.5	27.0	27.1	27.1	6.9	6.9	6.9	87.9	88.1	88.0	3.7	3.8	3.7	3.8	6.9	7.0	7.0	7.0
					Bottom	19.5	19.5	19.5	27.1	27.1	27.1	6.7	6.7	6.7	85.1	85.6	85.4	4.1	4.1	4.1		7.7	7.5	7.6	
S2	1415-1430	11.0	E	1.0	Surface	19.5	19.4	19.5	26.6	26.7	26.7	7.1	7.1	7.1	90.2	90.7	90.5	3.6	3.7	3.7		6.3	6.5	6.4	
					Middle	19.5	19.5	19.5	26.9	26.9	26.9	7.0	7.0	7.0	89.3	89.0	89.2	3.8	3.9	3.9	3.9	6.9	7.1	7.0	6.9
					Bottom	19.6	19.5	19.6	27.0	27.1	27.1	6.9	6.9	6.9	86.9	87.6	87.3	4.1	4.2	4.2		7.3	7.1	7.2	
G2	1436-1451	13.2	E	1.1	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.0	7.0	7.0	88.3	88.8	88.6	3.7	3.8	3.8		6.8	6.6	6.7	
					Middle	19.5	19.5	19.5	26.9	27.0	27.0	6.8	6.9	6.8	86.5	87.2	86.9	4.0	3.9	4.0	4.0	7.1	7.3	7.2	7.1
					Bottom	19.5	19.5	19.5	27.1	27.1	27.1	6.7	6.8	6.8	85.3	86.1	85.7	4.3	4.2	4.3		7.6	7.4	7.5	
S3	1456-1505	10.2	E	1.1	Surface	19.4	19.3	19.4	26.6	26.7	26.7	7.0	6.9	7.0	88.8	87.9	88.4	3.6	3.6	3.6		7.0	7.1	7.1	
					Middle	19.4	19.4	19.4	27.0	27.0	27.0	6.7	6.8	6.8	85.6	86.1	85.9	3.8	3.8	3.8	3.9	7.4	7.4	7.4	7.3
					Bottom	19.5	19.5	19.5	27.1	27.1	27.1	6.6	6.7	6.7	84.3	85.5	84.9	4.4	4.4	4.4		7.2	7.4	7.3	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C3 Impact Water Quality Monitoring Results during Third Round Monitoring on 27 December 2012**

Date: 27-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1510-1525	35.2	E	1.1	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.3	7.2	7.2	92.1	91.5	91.8	3.5	3.6	3.6		6.4	6.2	6.3	
					Middle	19.5	19.5	19.5	26.9	26.9	26.9	7.1	7.0	7.0	89.6	89.1	89.4	3.7	3.8	3.7	3.7	6.8	6.6	6.7	6.8
					Bottom	19.5	19.6	19.6	27.0	27.1	27.1	6.8	6.8	6.8	86.8	86.3	86.6	3.9	3.9	3.9		7.4	7.4	7.4	
E8	1532-1549	20.2	E	1.0	Surface	19.4	19.4	19.4	26.6	26.6	26.6	7.1	7.1	7.1	90.2	90.6	90.4	3.6	3.6	3.6		6.4	6.4	6.4	
					Middle	19.4	19.5	19.5	26.8	26.8	26.8	7.0	7.0	7.0	88.9	88.3	88.6	3.4	3.4	3.4	3.6	6.8	6.8	6.8	6.8
					Bottom	19.6	19.6	19.6	27.0	27.1	27.1	6.8	6.8	6.8	86.8	86.4	86.6	3.8	3.8	3.8		7.2	7.3	7.3	
S1	1556-1614	9.6	E	1.0	Surface	19.5	19.4	19.5	26.6	26.6	26.6	7.0	7.0	7.0	89.1	89.4	89.3	3.7	3.7	3.7		6.4	6.5	6.5	
					Middle	19.5	19.5	19.5	26.7	26.6	26.7	6.9	6.9	6.9	88.1	87.3	87.7	3.8	3.9	3.8	3.8	6.6	6.8	6.7	6.9
					Bottom	19.6	19.6	19.6	26.8	26.8	26.8	6.8	6.8	6.8	86.2	85.8	86.0	3.9	4.0	3.9		7.3	7.5	7.4	
G1	1621-1638	11.6	E	1.0	Surface	19.4	19.5	19.5	26.6	26.7	26.7	7.2	7.2	7.2	92.0	91.5	91.8	3.5	3.5	3.5		6.4	6.6	6.5	
					Middle	19.5	19.5	19.5	26.8	26.8	26.8	7.1	7.1	7.1	90.4	89.9	90.2	3.6	3.7	3.6	3.6	7.0	6.8	6.9	6.9
					Bottom	19.5	19.5	19.5	26.9	26.9	26.9	7.0	6.9	6.9	88.5	88.0	88.3	3.7	3.8	3.7		7.4	7.2	7.3	
E7	1643-1700	12.9	E	1.1	Surface	19.4	19.3	19.4	26.6	26.6	26.6	7.2	7.2	7.2	90.9	91.1	91.0	3.6	3.7	3.6		6.4	6.6	6.5	
					Middle	19.4	19.5	19.5	26.6	26.7	26.7	7.1	7.0	7.0	89.7	89.2	89.5	3.7	3.8	3.7	3.8	7.0	6.9	7.0	6.9
					Bottom	19.5	19.6	19.6	26.8	26.9	26.9	6.9	6.9	6.9	88.2	87.8	88.0	3.9	3.9	3.9		7.4	7.2	7.3	
F1	1709-1726	11.2	E	1.2	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.2	7.2	7.2	91.3	91.5	91.4	3.5	3.6	3.5		6.8	6.6	6.7	
					Middle	19.5	19.4	19.5	26.7	26.8	26.8	7.1	7.1	7.1	90.3	89.7	90.0	3.6	3.6	3.6	3.7	7.1	7.3	7.2	7.1
					Bottom	19.5	19.6	19.6	26.8	26.8	26.8	7.0	6.9	7.0	88.6	88.2	88.4	3.8	3.8	3.8		7.6	7.4	7.5	
G3	1732-1749	14.6	E	1.1	Surface	19.4	19.4	19.4	26.7	26.6	26.7	7.1	7.1	7.1	90.1	90.6	90.4	3.5	3.5	3.5		6.5	6.7	6.6	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	6.9	6.9	6.9	88.0	87.5	87.8	3.7	3.7	3.7	3.7	7.0	6.8	6.9	6.8
					Bottom	19.6	19.5	19.6	27.1	27.0	27.1	6.8	6.8	6.8	86.3	85.8	86.1	3.8	3.8	3.8		7.0	6.9	7.0	
E9	1753-1809	19.0	E	1.1	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.1	7.1	7.1	89.9	90.2	90.1	3.5	3.5	3.5		6.7	6.8	6.8	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	6.9	6.9	6.9	88.2	87.7	88.0	3.7	3.7	3.7	3.7	7.0	7.2	7.1	7.1
					Bottom	19.5	19.6	19.6	27.1	27.1	27.1	6.8	6.8	6.8	86.9	86.4	86.7	3.9	3.9	3.9		7.4	7.6	7.5	
S2	1814-1830	10.9	E	1.1	Surface	19.5	19.4	19.5	26.6	26.6	26.6	7.0	7.1	7.0	89.4	89.7	89.6	3.7	3.7	3.7		6.4	6.5	6.5	
					Middle	19.5	19.4	19.5	26.7	26.8	26.8	7.0	6.9	6.9	88.6	87.7	88.2	3.9	3.8	3.8	3.8	6.8	7.1	7.0	7.0
					Bottom	19.6	19.6	19.6	26.9	26.9	26.9	6.8	6.7	6.8	86.3	85.7	86.0	3.9	4.0	3.9		7.4	7.5	7.5	
G2	1835-1850	12.9	E	1.2	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.1	7.2	7.1	90.5	90.9	90.7	3.4	3.5	3.5		7.0	7.2	7.1	
					Middle	19.5	19.5	19.5	26.7	26.8	26.8	7.0	7.0	7.0	89.4	89.0	89.2	3.6	3.6	3.6	3.6	7.4	7.2	7.3	7.3
					Bottom	19.5	19.6	19.6	26.9	26.9	26.9	6.9	6.9	6.9	88.1	87.6	87.9	3.8	3.8	3.8		7.6	7.4	7.5	
S3	1856-1906	10.3	E	1.1	Surface	19.4	19.4	19.4	26.6	26.6	26.6	7.0	7.0	7.0	88.6	89.1	88.9	3.6	3.6	3.6		7.0	7.4	7.2	
					Middle	19.5	19.5	19.5	26.7	26.6	26.7	6.9	6.9	6.9	87.1	87.7	87.4	3.7	3.7	3.7	3.7	7.4	7.6	7.5	7.4
					Bottom	19.6	19.6	19.6	26.8	26.8	26.8	6.8	6.8	6.8	86.4	85.9	86.2	3.8	3.9	3.8		7.5	7.6	7.6	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C4 Impact Water Quality Monitoring Results during Fourth Round Monitoring on 27 December 2012**

Date: 27-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1910-1924	36.1	W	1.0	Surface	19.4	19.5	19.5	26.5	26.5	26.5	7.2	7.3	7.2	91.8	92.3	92.1	3.5	3.5	3.3		6.2	6.3	6.3	
					Middle	19.5	19.5	19.5	26.7	26.8	26.8	7.1	7.1	7.1	90.3	89.7	90.0	3.7	3.7	3.4	3.4	6.8	6.9	6.9	6.8
					Bottom	19.6	19.5	19.6	27.0	27.0	27.0	6.9	6.8	6.8	87.2	86.4	86.8	3.8	3.9	3.6		7.3	7.5	7.4	
E8	1931-1948	21.2	W	1.1	Surface	19.4	19.4	19.4	26.5	26.6	26.6	7.1	7.2	7.1	90.6	90.9	90.8	3.5	3.6	3.5		6.5	6.3	6.4	
					Middle	19.5	19.4	19.5	26.8	26.7	26.8	7.0	7.0	7.0	89.5	89.0	89.3	3.6	3.7	3.7	3.6	6.8	6.6	6.7	6.8
					Bottom	19.6	19.6	19.6	26.9	27.0	27.0	6.9	6.8	6.8	87.1	86.7	86.9	3.8	3.8	3.7		7.3	7.2	7.3	
S1	1955-2014	10.2	W	1.0	Surface	19.4	19.4	19.4	26.6	26.5	26.6	7.1	7.0	7.0	89.7	89.4	89.6	3.6	3.7	3.4		6.6	6.4	6.5	
					Middle	19.4	19.5	19.5	26.7	26.7	26.7	7.0	6.9	6.9	88.5	88.0	88.3	3.8	3.8	3.5	3.5	7.1	7.2	7.2	7.0
					Bottom	19.6	19.6	19.6	26.8	26.7	26.8	6.8	6.8	6.8	86.3	85.8	86.1	3.9	3.9	3.6		7.3	7.4	7.4	
G1	2021-2038	12.2	W	1.1	Surface	19.4	19.4	19.4	26.7	26.7	26.7	7.2	7.3	7.2	91.9	92.2	92.1	3.5	3.5	3.5		6.4	6.6	6.5	
					Middle	19.4	19.5	19.5	26.8	26.7	26.8	7.1	7.1	7.1	90.8	90.2	90.5	3.6	3.7	3.7	3.7	7.0	7.2	7.1	7.0
					Bottom	19.5	19.5	19.5	26.9	26.9	26.9	7.0	7.0	7.0	88.7	88.3	88.5	3.8	3.8	3.8		7.4	7.6	7.5	
E7	2044-2102	13.6	W	1.0	Surface	19.4	19.3	19.4	26.6	26.7	26.7	7.1	7.1	7.1	90.7	90.4	90.6	3.6	3.6	3.3		6.5	6.3	6.4	
					Middle	19.4	19.4	19.4	26.7	26.8	26.8	7.0	7.0	7.0	89.5	89.0	89.3	3.7	3.7	3.5	3.5	7.3	7.1	7.2	7.0
					Bottom	19.5	19.4	19.5	26.9	26.9	26.9	6.9	6.9	6.9	88.0	87.5	87.8	3.8	3.9	3.6		7.5	7.4	7.5	
F1	2111-2127	12.0	W	1.1	Surface	19.4	19.4	19.4	26.5	26.6	26.6	7.2	7.2	7.2	91.6	91.9	91.8	3.6	3.6	3.2		6.6	6.4	6.5	
					Middle	19.5	19.4	19.5	26.7	26.7	26.7	7.2	7.1	7.1	90.9	90.4	90.7	3.7	3.8	3.5	3.4	7.0	7.1	7.1	7.0
					Bottom	19.5	19.6	19.6	26.8	26.8	26.8	7.0	7.0	7.0	89.2	88.7	89.0	3.9	3.9	3.5		7.5	7.6	7.6	
G3	2133-2151	15.8	W	1.0	Surface	19.4	19.4	19.4	26.6	26.6	26.6	7.1	7.1	7.1	89.7	90.2	90.0	3.5	3.6	3.3		6.4	6.1	6.3	
					Middle	19.5	19.4	19.5	26.8	26.8	26.8	7.0	6.9	6.9	88.3	87.8	88.1	3.7	3.7	3.5	3.5	6.7	7.0	6.9	6.7
					Bottom	19.6	19.6	19.6	27.0	27.0	27.0	6.8	6.8	6.8	86.0	86.4	86.2	3.8	3.9	3.6		7.2	6.9	7.1	
E9	2200-2216	20.1	W	1.0	Surface	19.4	19.3	19.4	26.6	26.5	26.6	7.1	7.1	7.1	90.4	90.6	90.5	3.5	3.6	3.3		6.6	6.5	6.6	
					Middle	19.4	19.5	19.5	26.7	26.7	26.7	7.0	7.0	7.0	88.9	88.3	88.6	3.6	3.7	3.4	3.5	7.3	7.2	7.3	7.1
					Bottom	19.5	19.6	19.6	26.9	27.0	27.0	6.9	6.8	6.9	87.4	86.9	87.2	3.9	3.9	3.7		7.4	7.5	7.5	
S2	2221-2237	11.4	W	1.0	Surface	19.4	19.4	19.4	26.6	26.6	26.6	7.1	7.0	7.0	89.6	89.0	89.3	3.7	3.7	3.6		6.6	6.4	6.5	
					Middle	19.5	19.5	19.5	26.7	26.7	26.7	6.9	6.9	6.9	88.2	87.8	88.0	3.8	3.8	3.6	3.7	6.8	6.9	6.9	6.9
					Bottom	19.6	19.5	19.6	26.9	27.0	27.0	6.8	6.8	6.8	86.7	86.1	86.4	3.9	4.0	3.8		7.4	7.1	7.3	
G2	2243-2259	13.6	W	1.1	Surface	19.4	19.4	19.4	26.6	26.6	26.6	7.1	7.1	7.1	90.1	90.5	90.3	3.5	3.5	3.5		6.9	6.7	6.8	
					Middle	19.5	19.4	19.5	26.7	26.7	26.7	7.0	7.0	7.0	89.0	88.5	88.8	3.6	3.6	3.7	3.7	6.9	7.1	7.0	7.1
					Bottom	19.5	19.6	19.6	26.8	26.9	26.9	6.9	6.8	6.9	87.3	86.8	87.1	3.8	3.8	3.9		7.3	7.6	7.5	
S3	2305-2320	10.8	W	1.0	Surface	19.4	19.3	19.4	26.6	26.6	26.6	7.0	7.1	7.1	89.5	89.9	89.7	3.6	3.6	3.6		6.8	6.9	6.9	
					Middle	19.4	19.4	19.4	26.7	26.6	26.7	6.9	6.9	6.9	88.2	87.8	88.0	3.7	3.7	3.8	3.7	7.4	7.5	7.5	7.3
					Bottom	19.5	19.6	19.6	26.8	26.8	26.8	6.8	6.8	6.8	86.8	86.4	86.6	3.8	3.9	3.9		7.6	7.4	7.5	

Remark or Observation:

Note: \* Average \*\* Depth Average

## Annex C5 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 1 (07:00), 27 December						
Station	Limits	Surface DO (mg/L)	Middle DO (mg/L)	Bottom DO (mg/L)	* DA Turbidity (NTU)	*DA SS (mg/L)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.38	8.52
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.75	9.23
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

Compliance with Action Level and Limit Level for Zone A - Round 2 (11:00), 27 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.45	8.12
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.82	8.80
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

## Annex C6 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 3 (15:00), 27 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.46	8.16
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.84	8.84
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

Compliance with Action Level and Limit Level for Zone A - Round 4 (19:00), 27 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.42	8.20
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.79	8.88
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

**Annex C7 Impact Water Quality Monitoring Results during First Round Monitoring on 28 December 2012**

Date: 28-Dec-12  
 Weather: Fine  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	0700-0717	36.1	W	1.1	Surface	19.3	19.3	19.3	26.6	26.6	26.6	7.2	7.2	7.2	90.9	91.3	91.1	3.6	3.6	3.6		6.2	6.3	6.3	
					Middle	19.4	19.4	19.4	26.7	26.8	26.8	7.1	7.0	7.0	89.7	89.1	89.4	3.7	3.7	3.7	3.7	6.7	6.8	6.8	6.8
					Bottom	19.5	19.6	19.6	27.0	27.0	27.0	6.9	6.9	6.9	88.1	87.6	87.9	3.9	4.0	3.9		7.3	7.5	7.4	
E8	0724-0740	21.3	W	1.3	Surface	19.3	19.2	19.3	26.7	26.6	26.7	7.1	7.1	7.1	90.1	89.7	89.9	3.5	3.6	3.5		6.6	6.3	6.5	
					Middle	19.4	19.4	19.4	26.8	26.8	26.8	7.0	6.9	6.9	88.3	87.9	88.1	3.7	3.7	3.7	3.7	7.0	7.2	7.1	7.0
					Bottom	19.5	19.5	19.5	27.0	27.0	27.0	6.8	6.8	6.8	86.9	86.4	86.7	3.8	3.8	3.8		7.4	7.2	7.3	
S1	0748-0804	9.8	W	1.0	Surface	19.3	19.2	19.3	26.6	26.7	26.7	7.1	7.1	7.1	90.4	89.9	90.2	3.6	3.7	3.7		6.5	6.3	6.4	
					Middle	19.3	19.3	19.3	26.7	26.7	26.7	6.9	6.9	6.9	87.7	88.2	88.0	3.8	3.8	3.8	3.8	7.0	7.0	7.0	6.9
					Bottom	19.4	19.5	19.5	26.9	26.8	26.9	6.8	6.8	6.8	86.7	86.2	86.5	4.0	4.0	4.0		7.3	7.1	7.2	
G1	0810-0827	12.0	W	1.2	Surface	19.3	19.3	19.3	26.6	26.7	26.7	7.0	7.0	7.0	88.8	89.4	89.1	3.8	3.9	3.9		6.3	6.2	6.3	
					Middle	19.3	19.4	19.4	26.7	26.7	26.7	7.1	7.1	7.1	90.2	90.7	90.5	4.0	4.0	4.0	4.0	7.0	6.9	7.0	6.9
					Bottom	19.5	19.5	19.5	26.9	26.8	26.9	6.9	6.9	6.9	88.0	87.4	87.7	4.1	4.1	4.1		7.4	7.3	7.4	
E7	0833-0850	13.8	W	1.3	Surface	19.4	19.3	19.4	26.7	26.7	26.7	7.1	7.1	7.1	89.9	90.2	90.1	3.7	3.7	3.7		6.2	6.4	6.3	
					Middle	19.5	19.4	19.5	26.8	26.9	26.9	7.0	7.0	7.0	88.7	88.3	88.5	3.8	3.8	3.8	3.8	7.1	7.3	7.2	7.0
					Bottom	19.6	19.6	19.6	27.0	27.0	27.0	6.9	6.9	6.9	87.6	87.1	87.4	3.9	4.0	4.0		7.7	7.5	7.6	
F1	0857-0913	11.7	W	1.1	Surface	19.4	19.4	19.4	26.7	26.8	26.8	7.0	7.1	7.0	89.1	89.6	89.4	3.8	3.8	3.8		6.3	6.4	6.4	
					Middle	19.4	19.4	19.4	26.9	26.9	26.9	6.9	6.9	6.9	88.2	87.7	88.0	3.9	3.9	3.9	3.9	7.1	7.1	7.1	7.0
					Bottom	19.5	19.5	19.5	26.9	27.0	27.0	6.8	6.8	6.8	86.8	86.4	86.6	4.0	4.0	4.0		7.3	7.6	7.5	
G3	0920-0936	15.7	W	1.2	Surface	19.3	19.4	19.4	26.7	26.7	26.7	7.2	7.1	7.1	91.0	90.5	90.8	3.6	3.7	3.6		6.1	6.3	6.2	
					Middle	19.4	19.4	19.4	26.8	26.9	26.9	7.1	7.0	7.0	89.6	88.9	89.3	3.7	3.8	3.8	3.8	6.8	7.0	6.9	6.8
					Bottom	19.5	19.6	19.6	27.0	27.1	27.1	6.9	6.9	6.9	87.8	87.3	87.6	3.9	3.9	3.9		7.0	7.3	7.2	
E9	0943-1000	20.1	W	1.1	Surface	19.4	19.3	19.4	26.6	26.7	26.7	7.1	7.1	7.1	90.6	90.1	90.4	3.8	3.8	3.8		6.4	6.6	6.5	
					Middle	19.5	19.5	19.5	26.8	26.8	26.8	7.0	7.0	7.0	88.7	88.3	88.5	3.9	4.0	4.0	4.0	7.1	7.3	7.2	7.1
					Bottom	19.6	19.7	19.7	27.0	27.0	27.0	6.8	6.8	6.8	86.9	86.4	86.7	4.1	4.1	4.1		7.6	7.6	7.6	
S2	1006-1021	11.5	W	1.2	Surface	19.3	19.4	19.4	26.6	26.6	26.6	7.1	7.1	7.1	89.9	90.2	90.1	3.9	3.9	3.9		6.3	6.5	6.4	
					Middle	19.5	19.5	19.5	26.7	26.7	26.7	7.0	7.0	7.0	88.8	88.3	88.6	4.0	4.1	4.0	4.0	7.0	6.8	6.9	7.0
					Bottom	19.6	19.6	19.6	26.8	26.8	26.8	6.9	6.8	6.9	87.3	86.8	87.1	4.1	4.2	4.2		7.6	7.5	7.6	
G2	1027-1042	13.6	W	1.2	Surface	19.4	19.4	19.4	26.5	26.6	26.6	7.1	7.1	7.1	90.4	89.9	90.2	3.9	3.9	3.9		7.0	6.9	7.0	
					Middle	19.5	19.4	19.5	26.7	26.7	26.7	7.0	7.0	7.0	88.6	88.3	88.5	3.9	3.8	3.8	3.9	7.3	7.2	7.3	7.2
					Bottom	19.6	19.6	19.6	26.9	26.8	26.9	6.9	6.8	6.9	87.2	86.9	87.1	4.0	4.1	4.0		7.5	7.4	7.5	
S3	1047-1104	10.8	W	1.2	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.0	7.1	7.1	89.5	90.0	89.8	3.8	3.8	3.8		6.6	6.4	6.5	
					Middle	19.6	19.6	19.6	26.7	26.7	26.7	6.9	6.9	6.9	88.2	87.8	88.0	3.9	4.0	3.9	3.9	6.7	6.9	6.8	6.9
					Bottom	19.6	19.7	19.7	26.8	26.8	26.8	6.8	6.8	6.8	86.8	86.3	86.6	4.0	4.1	4.1		7.1	7.4	7.3	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C8 Impact Water Quality Monitoring Results during Second Round Monitoring on 28 December 2012**

Date: 28-Dec-12  
 Weather: Fine  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1110-1128	35.0	E	1.2	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.0	7.1	7.0	89.2	89.7	89.5	3.7	3.7	3.5		6.4	6.6	6.5	
					Middle	19.5	19.6	19.6	26.8	26.8	26.8	7.0	6.9	6.9	88.4	87.7	88.1	3.8	3.9	3.7	3.7	6.9	7.1	7.0	6.9
					Bottom	19.6	19.7	19.7	27.0	27.1	27.1	6.8	6.8	6.8	87.0	86.4	86.7	4.0	4.0	3.8		7.4	7.2	7.3	
E8	1135-1152	20.6	E	1.3	Surface	19.4	19.5	19.5	26.7	26.7	26.7	6.9	7.0	7.0	88.1	88.7	88.4	3.6	3.7	3.7		6.5	6.9	6.7	
					Middle	19.5	19.5	19.5	26.8	26.7	26.8	6.8	6.8	6.8	86.7	86.2	86.5	3.8	3.8	3.8	3.8	6.9	7.3	7.1	7.1
					Bottom	19.5	19.6	19.6	26.9	27.0	27.0	6.7	6.7	6.7	85.3	84.8	85.1	4.0	3.9	4.0		7.4	7.4	7.4	
S1	1159-1215	9.2	E	1.1	Surface	19.3	19.4	19.4	26.7	26.6	26.7	7.0	7.0	7.0	89.5	89.0	89.3	3.7	3.8	3.8		6.8	6.6	6.7	
					Middle	19.3	19.4	19.4	26.7	26.7	26.7	6.9	6.9	6.9	87.5	87.9	87.7	3.9	3.9	3.9	3.9	7.2	7.1	7.2	7.1
					Bottom	19.4	19.4	19.4	26.8	26.8	26.8	6.9	6.8	6.8	87.1	86.5	86.8	4.1	4.1	4.0		7.4	7.6	7.5	
G1	1221-1238	11.6	E	1.1	Surface	19.4	19.3	19.4	26.7	26.7	26.7	6.9	6.9	6.9	87.9	87.3	87.6	4.0	4.1	3.7		6.5	6.4	6.5	
					Middle	19.4	19.4	19.4	26.7	26.8	26.8	7.0	7.0	7.0	88.5	89.1	88.8	4.1	4.1	3.8	3.8	6.8	6.9	6.9	6.9
					Bottom	19.4	19.5	19.5	26.8	26.9	26.9	6.8	6.8	6.8	87.0	86.5	86.8	4.2	4.2	4.1		7.2	7.4	7.3	
E7	1244-1300	13.4	E	1.2	Surface	19.4	19.4	19.4	26.7	26.8	26.8	7.0	7.0	7.0	89.3	88.8	89.1	3.8	3.8	3.8		6.2	6.3	6.3	
					Middle	19.4	19.5	19.5	26.8	26.8	26.8	6.9	6.9	6.9	87.1	87.6	87.4	3.9	3.9	3.8	3.9	6.9	7.0	7.0	6.9
					Bottom	19.6	19.6	19.6	27.0	26.9	27.0	6.8	6.8	6.8	85.8	86.4	86.1	4.1	4.0	4.2		7.4	7.5	7.5	
F1	1307-1322	11.4	E	1.1	Surface	19.4	19.5	19.5	26.8	26.7	26.8	7.0	6.9	7.0	88.7	88.2	88.5	3.8	3.9	3.8		6.4	6.6	6.5	
					Middle	19.5	19.5	19.5	26.9	26.8	26.9	6.9	6.8	6.8	87.2	86.6	86.9	3.9	4.0	3.9	3.9	6.9	6.8	6.9	6.9
					Bottom	19.5	19.6	19.6	26.9	27.0	27.0	6.8	6.7	6.8	86.2	85.6	85.9	4.1	4.1	4.1		7.4	7.5	7.5	
G3	1329-1346	15.4	E	1.3	Surface	19.4	19.4	19.4	26.7	26.8	26.8	7.1	7.1	7.1	89.7	90.1	89.9	3.7	3.8	3.7		6.3	6.3	6.3	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	7.0	7.0	7.0	88.7	88.4	88.6	3.9	3.9	3.8	3.9	7.0	7.2	7.1	6.9
					Bottom	19.6	19.6	19.6	27.0	27.1	27.1	6.7	6.7	6.7	85.7	85.2	85.5	4.0	4.0	4.2		7.2	7.3	7.3	
E9	1353-1409	19.4	E	1.2	Surface	19.4	19.4	19.4	26.7	26.7	26.7	7.1	7.0	7.1	90.0	89.4	89.7	3.9	3.9	3.5		6.6	6.4	6.5	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	7.0	6.9	6.9	88.4	87.7	88.1	4.1	4.1	3.7	3.8	7.0	7.2	7.1	7.0
					Bottom	19.6	19.7	19.7	27.0	27.1	27.1	6.8	6.8	6.8	86.9	86.4	86.7	4.3	4.3	4.1		7.5	7.4	7.5	
S2	1414-1427	11.2	E	1.1	Surface	19.4	19.5	19.5	26.6	26.7	26.7	7.0	7.0	7.0	89.2	88.6	88.9	4.0	4.0	3.7		6.2	6.3	6.3	
					Middle	19.4	19.5	19.5	26.7	26.7	26.7	6.9	6.9	6.9	87.8	87.5	87.7	4.1	4.1	3.9	3.9	7.2	7.0	7.1	7.0
					Bottom	19.5	19.6	19.6	26.8	26.7	26.8	6.8	6.8	6.8	86.5	86.1	86.3	4.2	4.2	4.2		7.6	7.4	7.5	
G2	1432-1446	13.0	E	1.1	Surface	19.4	19.5	19.5	26.6	26.6	26.6	7.0	7.0	7.0	88.9	88.5	88.7	4.0	4.0	3.8		6.6	6.4	6.5	
					Middle	19.5	19.5	19.5	26.6	26.7	26.7	6.9	6.8	6.9	87.4	87.0	87.2	3.9	3.9	4.0	4.0	7.2	7.2	7.2	7.0
					Bottom	19.6	19.6	19.6	26.8	26.8	26.8	6.8	6.7	6.7	85.8	85.2	85.5	4.2	4.1	4.3		7.4	7.4	7.4	
S3	1451-1505	10.6	E	1.0	Surface	19.5	19.5	19.5	26.6	26.7	26.7	6.9	7.0	6.9	88.0	88.3	88.2	3.9	3.9	3.6		6.6	6.9	6.8	
					Middle	19.5	19.5	19.5	26.6	26.7	26.7	6.8	6.9	6.8	86.6	87.2	86.9	4.1	4.0	3.8	3.9	6.9	7.1	7.0	7.1
					Bottom	19.5	19.6	19.6	26.7	26.8	26.8	6.7	6.7	6.7	84.6	85.1	84.9	4.2	4.2	4.4		7.3	7.6	7.5	

Remark or Observation:

Note: \* Average \*\* Depth Average



**Annex C9 Impact Water Quality Monitoring Results during Third Round Monitoring on 28 December 2012**

Date: 28-Dec-12  
 Weather: Fine  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1510-1525	35.4	W	1.2	Surface	19.4	19.4	19.4	26.7	26.6	26.7	7.1	7.2	7.1	90.4	90.8	90.6	3.6	3.7	3.6		6.4	6.2	6.3	
					Middle	19.5	19.5	19.5	26.9	27.0	27.0	7.0	7.0	7.0	89.4	89.2	89.3	3.8	3.7	3.8	3.8	6.9	7.1	7.0	6.8
					Bottom	19.6	19.5	19.6	27.0	27.0	27.0	6.9	7.0	6.9	87.9	88.4	88.2	4.1	4.1	4.1		7.1	7.3	7.2	
E8	1533-1550	20.8	W	1.1	Surface	19.5	19.5	19.5	26.7	26.7	26.7	7.0	6.9	7.0	88.8	87.8	88.3	3.5	3.5	3.5		6.4	6.6	6.5	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	26.9	6.9	16.9	88.1	87.8	88.0	3.6	3.7	3.6	3.7	7.2	7.1	7.2	7.0
					Bottom	19.6	19.5	19.6	26.9	27.0	27.0	6.9	6.9	6.9	87.5	87.1	87.3	3.8	3.9	3.9		7.5	7.3	7.4	
S1	1557-1615	9.6	W	1.0	Surface	19.5	19.4	19.5	26.7	26.6	26.7	7.1	7.1	7.1	89.9	90.4	90.2	3.7	3.7	3.7		6.3	6.1	6.2	
					Middle	19.4	19.4	19.4	26.7	26.7	26.7	6.9	7.0	6.9	87.6	88.4	88.0	3.8	3.7	3.8	3.9	6.9	6.8	6.9	6.7
					Bottom	19.5	19.5	19.5	27.0	27.1	27.1	6.7	6.8	6.8	85.6	86.1	85.9	4.2	4.2	4.2		7.0	7.1	7.1	
G1	1622-1639	12.0	W	1.0	Surface	19.3	19.4	19.4	26.6	26.6	26.6	7.1	7.2	7.2	90.7	90.9	90.8	3.9	3.9	3.9		6.4	6.6	6.5	
					Middle	19.4	19.4	19.4	26.7	26.7	26.7	7.1	7.1	7.1	89.5	89.9	89.7	4.0	4.1	4.1	4.0	7.2	7.3	7.3	7.1
					Bottom	19.5	19.5	19.5	26.7	26.8	26.8	6.9	7.0	7.0	87.9	88.6	88.3	4.1	4.2	4.2		7.5	7.4	7.5	
E7	1645-1702	13.6	W	0.9	Surface	19.4	19.4	19.4	26.7	26.6	26.7	7.1	7.1	7.1	89.9	90.4	90.2	3.7	3.8	3.8		6.1	6.3	6.2	
					Middle	19.4	19.5	19.5	26.7	26.8	26.8	6.9	6.9	6.9	87.5	88.0	87.8	3.9	4.0	4.0	4.0	7.2	7.4	7.3	7.0
					Bottom	19.5	19.5	19.5	27.0	27.1	27.1	6.8	6.8	6.8	86.2	85.7	86.0	4.1	4.2	4.1		7.4	7.6	7.5	
F1	1710-1727	11.8	W	1.1	Surface	19.5	19.5	19.5	26.7	26.7	26.7	6.9	6.9	6.9	87.8	88.1	88.0	3.8	3.8	3.8		6.4	6.4	6.4	
					Middle	19.5	19.4	19.5	26.8	26.9	26.9	6.7	6.7	6.7	85.3	85.6	85.5	3.8	3.9	3.8	3.9	7.2	7.3	7.3	7.0
					Bottom	19.6	19.5	19.6	27.1	27.1	27.1	6.6	6.6	6.6	84.1	83.8	84.0	4.2	4.1	4.2		7.5	7.4	7.5	
G3	1733-1750	15.8	W	1.0	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.1	7.2	7.2	90.6	91.3	91.0	3.8	3.8	3.8		6.3	6.2	6.3	
					Middle	19.4	19.5	19.5	26.7	26.8	26.8	7.0	7.0	7.0	88.8	88.3	88.6	3.9	3.9	3.9	3.9	7.0	7.2	7.1	6.9
					Bottom	19.5	19.5	19.5	27.0	27.0	27.0	6.8	6.8	6.8	86.9	86.4	86.7	4.0	4.1	4.1		7.2	7.4	7.3	
E9	1754-1810	20.4	W	1.2	Surface	19.4	19.4	19.4	26.8	26.7	26.8	7.1	7.2	7.1	90.4	90.9	90.7	3.8	3.8	3.8		6.3	6.4	6.4	
					Middle	19.5	19.5	19.5	26.9	26.8	26.9	7.0	7.0	7.0	89.0	89.3	89.2	4.1	4.2	4.1	4.1	7.1	7.4	7.3	7.0
					Bottom	19.6	19.5	19.6	27.0	27.1	27.1	6.9	6.9	6.9	87.9	87.6	87.8	4.3	4.3	4.3		7.6	7.4	7.5	
S2	1815-1831	11.8	W	1.1	Surface	19.5	19.4	19.5	26.7	26.8	26.8	7.1	7.1	7.1	89.5	90.0	89.8	3.8	3.9	3.9		6.3	6.3	6.3	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	6.9	6.8	6.9	87.4	86.6	87.0	3.9	4.0	4.0	3.9	6.9	7.1	7.0	7.0
					Bottom	19.5	19.4	19.5	27.0	27.0	27.0	6.7	6.8	6.8	85.6	85.9	85.8	4.0	3.9	4.0		7.7	7.5	7.6	
G2	1836=1850	13.8	W	1.4	Surface	19.5	19.4	19.5	26.7	26.7	26.7	6.9	6.9	6.9	87.2	87.6	87.4	4.1	4.2	4.2		6.6	6.8	6.7	
					Middle	19.5	19.5	19.5	26.7	26.8	26.8	6.8	6.7	6.8	86.2	85.5	85.9	4.0	3.9	4.0	4.0	7.1	7.3	7.2	7.2
					Bottom	19.5	19.5	19.5	26.9	27.0	27.0	6.7	6.7	6.7	84.6	84.9	84.8	3.9	3.9	3.9		7.7	7.6	7.7	
S3	1855-1905	11.0	W	1.6	Surface	19.4	19.4	19.4	26.7	26.6	26.7	7.0	6.9	7.0	88.8	87.8	88.3	4.0	3.9	4.0		6.6	6.4	6.5	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	6.9	6.9	6.9	86.9	87.4	87.2	4.1	4.1	4.1	4.1	7.0	7.3	7.2	7.0
					Bottom	19.6	19.6	19.6	26.9	27.0	27.0	6.8	6.7	6.7	85.9	85.3	85.6	4.2	4.1	4.2		7.2	7.4	7.3	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C10 Impact Water Quality Monitoring Results during Fourth Round Monitoring on 28 December 2012**

Date: 28-Dec-12  
 Weather: Fine  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1910-1926	35.2	E	1.1	Surface	19.5	19.4	19.5	26.6	26.5	26.6	7.1	7.1	7.1	90.0	90.6	90.3	3.4	3.5	3.3		6.0	6.3	6.2	
					Middle	19.5	19.5	19.5	26.8	26.9	26.9	6.7	6.8	6.8	85.6	85.9	85.8	3.9	3.9	3.4	3.4	6.9	6.9	6.9	6.8
					Bottom	19.5	19.5	19.5	26.9	27.0	27.0	6.9	6.9	6.9	87.4	87.6	87.5	4.3	4.2	3.6		7.1	7.4	7.3	
E8	1934-1949	20.2	E	1.2	Surface	19.4	19.4	19.4	26.6	26.7	26.7	7.1	7.1	7.1	89.8	90.3	90.1	3.4	3.4	3.5		6.3	6.3	6.3	
					Middle	19.4	19.5	19.5	26.7	26.7	26.7	6.9	6.8	6.9	87.5	86.6	87.1	3.7	3.7	3.7	3.6	7.1	7.1	7.1	6.9
					Bottom	19.5	19.5	19.5	26.9	26.9	26.9	6.8	6.8	6.8	86.2	85.7	86.0	3.9	4.0	3.7		7.3	7.4	7.4	
S1	1956-2014	9.2	E	1.4	Surface	19.4	19.5	19.5	26.6	26.7	26.7	7.2	7.2	7.2	91.1	91.4	91.3	3.5	3.6	3.4		6.4	6.2	6.3	
					Middle	19.5	19.5	19.5	26.7	26.8	26.8	7.0	7.1	7.1	89.4	90.4	89.9	3.9	4.0	3.5	3.5	6.9	7.2	7.1	6.9
					Bottom	19.6	19.5	19.6	27.0	27.1	27.1	6.6	6.7	6.7	84.1	85.1	84.6	4.2	4.3	3.6		7.2	7.5	7.4	
G1	2023-2040	12.2	E	0.8	Surface	19.4	19.3	19.4	26.5	26.4	26.5	7.1	7.0	7.1	90.2	89.2	89.7	3.7	3.8	3.5		6.6	6.4	6.5	
					Middle	19.4	19.4	19.4	26.6	26.6	26.6	7.0	6.9	7.0	89.0	88.0	88.5	3.9	4.0	3.7	3.7	7.2	7.3	7.3	7.1
					Bottom	19.4	19.3	19.4	26.8	26.9	26.9	6.9	6.9	6.9	88.0	87.8	87.9	4.1	4.1	3.8		7.4	7.6	7.5	
E7	2044-2103	13.0	E	1.2	Surface	19.5	19.4	19.5	26.6	26.5	26.6	7.0	6.9	7.0	88.6	87.8	88.2	3.9	4.0	3.3		6.3	6.4	6.4	
					Middle	19.4	19.3	19.4	26.7	26.7	26.7	6.9	6.8	6.9	87.2	86.7	87.0	3.8	3.9	3.5	3.5	6.9	6.9	6.9	6.8
					Bottom	19.4	19.4	19.4	26.9	26.9	26.9	6.7	6.8	6.7	85.3	85.9	85.6	3.9	3.9	3.6		7.3	7.1	7.2	
F1	2111-2128	11.2	E	1.4	Surface	19.4	19.3	19.4	26.7	26.6	26.7	6.9	6.9	6.9	86.9	87.4	87.2	3.7	3.6	3.2		6.3	6.0	6.2	
					Middle	19.5	19.5	19.5	26.8	26.8	26.8	6.7	6.7	6.7	85.3	85.5	85.4	3.8	3.8	3.5	3.4	6.9	7.1	7.0	6.9
					Bottom	19.4	19.4	19.4	26.9	26.8	26.9	6.5	6.6	6.6	83.1	83.6	83.4	3.9	4.0	3.5		7.3	7.6	7.5	
G3	2134-2151	15.2	E	1.0	Surface	19.3	19.3	19.3	26.6	26.5	26.6	7.0	7.0	7.0	89.3	89.0	89.2	3.7	3.8	3.3		6.3	6.2	6.3	
					Middle	19.4	19.5	19.5	26.7	26.6	26.7	6.9	6.9	6.9	87.4	87.5	87.5	3.8	3.8	3.5	3.5	6.9	7.2	7.1	6.9
					Bottom	19.5	19.4	19.5	26.8	26.9	26.9	6.6	6.7	6.7	84.1	84.8	84.5	3.7	3.7	3.6		7.2	7.5	7.4	
E9	2155-2211	20.0	E	1.2	Surface	19.3	19.3	19.3	26.4	26.5	26.5	7.0	6.9	7.0	88.6	87.9	88.3	3.7	3.6	3.3		6.3	6.5	6.4	
					Middle	19.4	19.4	19.4	26.5	26.6	26.6	6.8	6.7	6.8	86.4	85.3	85.9	4.0	3.9	3.4	3.5	7.0	7.2	7.1	6.9
					Bottom	19.5	19.4	19.5	26.6	26.6	26.6	6.7	6.8	6.8	85.6	86.1	85.9	4.2	4.2	3.7		7.4	7.2	7.3	
S2	2216-2230	11.2	E	1.3	Surface	19.4	19.4	19.4	26.5	26.4	26.5	6.9	6.8	6.9	87.2	86.7	87.0	3.6	3.5	3.6		6.6	6.7	6.7	
					Middle	19.4	19.5	19.5	26.6	26.7	26.7	6.8	6.7	6.7	85.9	85.1	85.5	4.0	3.9	3.6	3.7	7.1	7.1	7.1	7.1
					Bottom	19.5	19.5	19.5	26.7	26.8	26.8	6.7	6.7	6.7	85.1	85.6	85.4	4.1	4.2	3.8		7.6	7.3	7.5	
G2	2235-2249	13.2	E	1.0	Surface	19.3	19.3	19.3	26.6	26.5	26.6	7.0	6.9	6.9	88.3	88.0	88.2	3.5	3.4	3.5		6.6	6.8	6.7	
					Middle	19.4	19.5	19.5	26.7	26.7	26.7	6.7	6.7	6.7	85.3	84.8	85.1	3.8	3.9	3.7	3.7	7.2	7.2	7.2	7.2
					Bottom	19.5	19.5	19.5	26.7	26.8	26.8	6.7	6.6	6.7	84.9	84.3	84.6	4.1	4.1	3.9		7.5	7.6	7.6	
S3	2254-2304	10.8	E	0.9	Surface	19.3	19.4	19.4	26.6	26.6	26.6	7.0	6.9	7.0	88.8	87.8	88.3	3.7	3.6	3.6		6.4	6.5	6.5	
					Middle	19.4	19.4	19.4	26.6	26.7	26.7	6.8	6.8	6.8	86.4	86.7	86.6	3.9	3.9	3.8	3.7	7.1	7.0	7.1	7.0
					Bottom	19.4	19.4	19.4	26.8	26.9	26.9	6.7	6.7	6.7	84.5	84.6	84.6	4.1	4.2	3.9		7.3	7.4	7.4	

Remark or Observation:

Note: \* Average \*\* Depth Average

## Annex C11 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 1 (07:00), 28 December						
Station	Limits	Surface DO (mg/L)	Middle DO (mg/L)	Bottom DO (mg/L)	* DA Turbidity (NTU)	*DA SS (mg/L)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.49	8.16
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.87	8.84
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

Compliance with Action Level and Limit Level for Zone A - Round 2 (11:00), 28 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.61	8.32
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	5.00	9.01
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

## Annex C12 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 3 (15:00), 28 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.61	8.20
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.99	8.88
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

Compliance with Action Level and Limit Level for Zone A - Round 4 (19:00), 28 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.65	8.12
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	5.04	8.80
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

### Annex C13 Impact Water Quality Monitoring Results during First Round Monitoring on 29 December 2012

Date: 29-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	0700-0717	36.4	E	0.3	Surface	19.0	19.1	19.1	26.8	26.7	26.8	6.8	6.8	6.8	86.5	87.0	86.8	3.7	3.6	3.6		6.6	6.6	6.6	
					Middle	19.2	19.1	19.2	26.9	26.9	26.9	6.7	6.7	6.7	85.8	85.2	85.5	3.6	3.6	3.7	3.7	7.3	7.2	7.3	7.1
					Bottom	19.2	19.1	19.2	26.9	27.0	27.0	6.8	6.7	6.7	86.0	85.6	85.8	3.8	3.8	3.9		7.5	7.6	7.6	
E8	0724-0740	21.6	E	0.4	Surface	19.0	19.0	19.0	26.8	26.9	26.9	6.9	6.9	6.9	88.0	87.5	87.8	3.7	3.7	3.5		6.8	6.6	6.7	
					Middle	19.2	19.1	19.2	27.0	27.0	27.0	6.8	6.8	6.8	86.4	85.9	86.2	3.8	3.8	3.7	3.7	7.3	7.1	7.2	7.3
					Bottom	19.2	19.2	19.2	27.1	27.2	27.2	6.7	6.7	6.7	85.2	85.7	85.5	3.9	3.9	3.8		7.8	7.9	7.9	
S1	0747-0804	10.2	E	0.4	Surface	19.1	19.1	19.1	26.9	26.8	26.9	6.7	6.7	6.7	85.3	84.9	85.1	3.6	3.7	3.7		6.3	6.5	6.4	
					Middle	19.1	19.2	19.2	27.0	27.1	27.1	6.6	6.6	6.6	84.0	83.6	83.8	3.8	3.7	3.8	3.8	7.4	7.2	7.3	7.1
					Bottom	19.2	19.2	19.2	27.0	27.1	27.1	6.6	6.6	6.6	84.4	83.9	84.2	3.9	3.8	4.0		7.5	7.6	7.6	
G1	0811-0828	12.4	E	0.5	Surface	19.1	19.0	19.1	26.9	26.9	26.9	6.9	7.0	6.9	88.0	88.4	88.2	3.4	3.4	3.9		6.8	6.8	6.8	
					Middle	19.2	19.1	19.2	26.9	26.9	26.9	6.7	6.7	6.7	85.7	85.2	85.5	3.8	3.8	4.0	4.0	7.2	7.2	7.2	7.2
					Bottom	19.3	19.3	19.3	27.0	27.1	27.1	6.7	6.7	6.7	85.2	85.7	85.5	3.9	4.0	4.1		7.7	7.5	7.6	
E7	0834-0849	13.8	E	0.4	Surface	19.1	19.2	19.2	26.8	26.9	26.9	7.0	7.0	7.0	88.8	88.4	88.6	3.6	3.5	3.7		6.6	6.4	6.5	
					Middle	19.2	19.2	19.2	27.0	27.0	27.0	6.8	6.9	6.8	86.9	87.3	87.1	3.7	3.7	3.8	3.8	7.2	7.1	7.2	7.0
					Bottom	19.3	19.4	19.4	27.1	27.2	27.2	6.9	6.8	6.8	87.2	86.6	86.9	3.8	3.8	4.0		7.5	7.3	7.4	
F1	0858-0914	12.2	E	0.6	Surface	19.2	19.1	19.2	26.9	26.9	26.9	7.0	7.0	7.0	89.2	88.7	89.0	3.7	3.7	3.8		6.8	6.5	6.7	
					Middle	19.2	19.1	19.2	27.1	27.1	27.1	6.8	6.8	6.8	86.4	85.9	86.2	3.8	3.9	3.9	3.9	6.9	7.1	7.0	7.1
					Bottom	19.2	19.3	19.3	27.2	27.1	27.2	6.7	6.6	6.7	84.9	84.4	84.7	3.9	3.8	4.0		7.6	7.8	7.7	
G3	0920-0935	15.8	E	0.5	Surface	19.2	19.2	19.2	26.9	27.0	27.0	7.0	7.0	7.0	88.4	88.8	88.6	3.6	3.7	3.6		6.4	6.3	6.4	
					Middle	19.3	19.2	19.3	27.1	27.0	27.1	6.8	6.8	6.8	86.5	87.0	86.8	3.8	3.7	3.8	3.8	6.8	6.8	6.8	6.8
					Bottom	19.3	19.3	19.3	27.1	27.2	27.2	6.7	6.7	6.7	85.4	84.9	85.2	3.9	3.9	3.9		7.4	7.3	7.4	
E9	0943-1001	21.0	E	0.6	Surface	19.2	19.2	19.2	26.9	26.9	26.9	6.9	6.8	6.9	87.4	87.0	87.2	3.6	3.6	3.8		6.3	6.4	6.4	
					Middle	19.3	19.2	19.3	27.0	27.1	27.1	6.8	6.8	6.8	85.9	86.3	86.1	3.8	3.7	4.0	4.0	7.1	6.9	7.0	7.0
					Bottom	19.3	19.4	19.4	27.1	27.1	27.1	6.8	6.7	6.8	86.1	85.8	86.0	3.9	3.9	4.1		7.7	7.5	7.6	
S2	1007-1022	11.8	E	0.4	Surface	19.2	19.1	19.2	26.9	26.9	26.9	6.9	6.9	6.9	88.0	87.5	87.8	3.5	3.6	3.9		6.3	6.3	6.3	
					Middle	19.3	19.2	19.3	27.1	27.0	27.1	6.8	6.8	6.8	86.9	86.4	86.7	3.9	3.8	4.0	4.0	7.0	6.9	7.0	6.9
					Bottom	19.4	19.3	19.4	27.2	27.2	27.2	6.8	6.8	6.8	86.5	85.9	86.2	3.9	4.0	4.2		7.4	7.6	7.5	
G2	1028-1041	13.6	E	0.5	Surface	19.2	19.2	19.2	26.8	26.7	26.8	6.9	6.9	6.9	88.3	87.8	88.1	3.6	3.6	3.9		6.5	6.4	6.5	
					Middle	19.3	19.4	19.4	27.0	27.1	27.1	6.8	6.8	6.8	86.6	87.0	86.8	3.9	3.9	3.8	3.9	6.9	7.1	7.0	7.0
					Bottom	19.4	19.3	19.4	27.1	27.0	27.1	6.8	6.8	6.8	86.1	85.8	86.0	3.9	3.9	4.0		7.4	7.4	7.4	
S3	1048-1103	10.8	E	0.7	Surface	19.2	19.1	19.2	26.9	26.9	26.9	7.0	7.1	7.1	89.6	90.0	89.8	3.7	3.7	3.8		6.4	6.2	6.3	
					Middle	19.3	19.2	19.3	27.1	27.1	27.1	7.0	7.0	7.0	88.4	88.8	88.6	3.8	3.7	3.9	3.9	7.1	7.3	7.2	7.0
					Bottom	19.3	19.4	19.4	27.2	27.2	27.2	6.8	6.8	6.8	86.9	86.4	86.7	3.9	3.9	4.1		7.4	7.4	7.4	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C14 Impact Water Quality Monitoring Results during Second Round Monitoring on 29 December 2012**

Date: 29-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1110-1117	35.8	E	0.3	Surface	19.3	19.2	19.3	26.9	26.9	26.9	7.0	7.0	7.0	89.6	89.2	89.4	3.6	3.6	3.5		6.4	6.6	6.5	
					Middle	19.3	19.4	19.4	27.2	27.2	27.2	6.9	6.9	6.9	88.0	87.7	87.9	3.8	3.8	3.7	3.7	6.9	6.9	6.9	6.9
					Bottom	19.5	19.4	19.5	27.3	27.2	27.3	6.8	6.8	6.8	87.0	86.5	86.8	3.9	3.8	3.8		7.4	7.3	7.4	
E8	1134-1151	21.4	E	0.3	Surface	19.3	19.3	19.3	26.8	26.9	26.9	7.1	7.1	7.1	90.3	89.8	90.1	3.6	3.7	3.7		6.3	6.5	6.4	
					Middle	19.4	19.4	19.4	27.1	27.1	27.1	6.8	6.8	6.8	86.9	86.4	86.7	3.8	3.7	3.8	3.8	7.1	6.9	7.0	7.0
					Bottom	19.5	19.5	19.5	27.2	27.1	27.2	6.8	6.7	6.7	85.8	85.3	85.6	3.9	3.9	4.0		7.5	7.6	7.6	
S1	1158-1214	10.4	E	0.4	Surface	19.3	19.2	19.3	26.9	26.9	26.9	7.0	7.0	7.0	88.9	88.4	88.7	3.5	3.6	3.8		6.3	6.6	6.5	
					Middle	19.4	19.3	19.4	27.1	27.2	27.2	6.8	6.8	6.8	85.9	86.3	86.1	3.9	3.8	3.9	3.9	6.9	7.1	7.0	7.1
					Bottom	19.4	19.5	19.5	27.2	27.1	27.2	6.8	6.7	6.8	86.3	85.8	86.1	4.0	4.0	4.0		7.8	7.6	7.7	
G1	1221-1237	12.2	E	0.6	Surface	19.3	19.2	19.3	26.8	26.7	26.8	7.0	7.0	7.0	89.2	89.6	89.4	3.5	3.5	3.7		6.2	6.4	6.3	
					Middle	19.2	19.1	19.2	27.1	27.1	27.1	6.8	6.7	6.8	86.2	85.7	86.0	3.9	4.0	3.8	3.8	7.0	7.3	7.2	7.0
					Bottom	19.3	19.4	19.4	27.2	27.2	27.2	6.8	6.9	6.8	86.8	87.2	87.0	3.9	3.9	4.1		7.6	7.7	7.7	
E7	1245-1300	13.4	E	0.7	Surface	19.3	19.2	19.3	26.9	26.8	26.9	7.1	7.0	7.0	89.7	89.2	89.5	3.7	3.8	3.8		6.5	6.8	6.7	
					Middle	19.3	19.3	19.3	27.0	27.1	27.1	6.9	6.9	6.9	88.3	87.8	88.1	3.8	3.8	3.8	3.9	7.1	7.3	7.2	7.1
					Bottom	19.4	19.3	19.4	27.2	27.2	27.2	6.9	6.9	6.9	87.8	88.2	88.0	3.9	3.9	4.2		7.6	7.5	7.6	
F1	1308-1322	12.4	E	0.5	Surface	19.3	19.3	19.3	26.9	26.9	26.9	7.0	7.0	7.0	88.4	88.8	88.6	3.6	3.7	3.8		6.3	6.5	6.4	
					Middle	19.3	19.4	19.4	27.1	27.1	27.1	6.9	6.9	6.9	87.8	88.3	88.1	3.8	3.8	3.9	3.9	7.0	6.8	6.9	6.9
					Bottom	19.4	19.4	19.4	27.2	27.1	27.2	6.8	6.8	6.8	86.3	85.8	86.1	3.9	3.8	4.1		7.3	7.3	7.3	
G3	1328-1345	15.4	E	0.6	Surface	19.3	19.2	19.3	26.9	26.8	26.9	7.0	7.1	7.1	89.6	90.0	89.8	3.6	3.6	3.7		6.3	6.2	6.3	
					Middle	19.4	19.3	19.4	27.1	27.1	27.1	6.9	6.9	6.9	87.5	87.2	87.4	3.8	3.7	3.8	3.9	6.9	7.0	7.0	6.9
					Bottom	19.3	19.4	19.4	27.3	27.2	27.3	6.8	6.8	6.8	86.8	86.3	86.6	3.9	3.9	4.2		7.4	7.5	7.5	
E9	1352-1410	20.8	E	0.5	Surface	19.3	19.2	19.3	26.9	26.9	26.9	7.0	7.0	7.0	88.4	88.8	88.6	3.6	3.6	3.5		6.2	6.4	6.3	
					Middle	19.3	19.2	19.3	27.0	27.0	27.0	6.9	6.9	6.9	87.8	88.2	88.0	3.8	3.7	3.7	3.8	7.2	7.0	7.1	7.0
					Bottom	19.4	19.3	19.4	27.1	27.0	27.1	6.8	6.8	6.8	85.8	86.2	86.0	3.9	3.8	4.1		7.8	7.6	7.7	
S2	1415-1427	11.6	E	0.5	Surface	19.3	19.3	19.3	26.9	26.9	26.9	7.0	7.1	7.0	89.4	89.7	89.6	3.6	3.7	3.7		6.4	6.4	6.4	
					Middle	19.3	19.4	19.4	27.2	27.1	27.2	7.0	6.9	7.0	88.8	88.3	88.6	3.9	3.9	3.9	3.9	7.2	7.1	7.2	7.0
					Bottom	19.4	19.4	19.4	27.2	27.2	27.2	6.8	6.8	6.8	87.0	86.5	86.8	3.9	3.9	4.2		7.5	7.3	7.4	
G2	1433-1445	13.8	E	0.6	Surface	19.3	19.2	19.3	26.8	2.9	14.9	7.1	7.0	7.0	89.8	89.4	89.6	3.5	3.5	3.8		6.4	6.6	6.5	
					Middle	19.4	19.3	19.4	27.0	27.1	27.1	6.9	6.8	6.9	87.4	87.0	87.2	3.6	3.7	4.0	4.0	7.0	7.3	7.2	7.2
					Bottom	19.3	19.2	19.3	27.2	27.2	27.2	6.8	6.8	6.8	86.5	86.3	86.4	3.9	3.9	4.3		7.7	8.0	7.9	
S3	1450-1503	11.2	E	0.7	Surface	19.3	19.3	19.3	26.8	26.9	26.9	7.0	7.1	7.0	89.3	89.7	89.5	3.5	3.5	3.6		6.2	6.4	6.3	
					Middle	19.4	19.4	19.4	27.1	27.1	27.1	6.8	6.8	6.8	86.4	85.9	86.2	3.7	3.8	3.8	3.9	7.1	7.0	7.1	7.0
					Bottom	19.4	19.3	19.4	27.2	27.2	27.2	6.9	6.8	6.8	87.3	86.9	87.1	3.9	4.0	4.4		7.5	7.8	7.7	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C15 Impact Water Quality Monitoring Results during Third Round Monitoring on 29 December 2012**

Date: 29-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1507-1521	36.6	E	0.8	Surface	19.0	18.9	19.0	26.8	26.8	26.8	6.9	6.9	6.9	87.5	88.1	87.8	3.7	3.8	3.8		6.6	6.5	6.6	
					Middle	19.0	19.1	19.1	26.9	27.0	27.0	6.7	6.7	6.7	84.8	85.4	85.1	3.6	3.6	3.6	3.8	6.8	7.0	6.9	6.9
					Bottom	19.1	19.1	19.1	27.2	27.3	27.3	6.6	6.6	6.6	83.9	84.3	84.1	4.0	3.9	3.9		7.4	7.2	7.3	
E8	1526-1540	21.8	E	0.7	Surface	19.0	19.0	19.0	26.8	26.9	26.9	6.9	6.8	6.8	87.3	86.8	87.1	3.8	3.9	3.8		6.6	6.8	6.7	
					Middle	19.0	18.9	19.0	27.0	27.0	27.0	6.7	6.7	6.7	85.4	85.7	85.6	3.8	3.7	3.8	3.9	7.2	7.4	7.3	7.1
					Bottom	19.0	19.1	19.1	27.2	27.2	27.2	6.6	6.6	6.6	83.6	84.1	83.9	4.0	4.0	4.0		7.3	7.5	7.4	
S1	1546-1600	10.6	E	0.7	Surface	18.9	19.0	19.0	26.8	26.8	26.8	6.7	6.8	6.8	85.7	86.2	86.0	3.7	3.7	3.7		6.3	6.5	6.4	
					Middle	19.0	19.0	19.0	26.8	26.9	26.9	6.7	6.7	6.7	85.2	84.8	85.0	3.7	3.6	3.7	3.7	6.9	6.8	6.9	6.9
					Bottom	19.0	19.0	19.0	27.0	27.0	27.0	6.5	6.6	6.5	82.9	83.3	83.1	3.8	3.9	3.9		7.4	7.6	7.5	
G1	1605-1620	12.6	E	0.5	Surface	18.9	18.9	18.9	26.8	26.9	26.9	7.0	6.9	7.0	88.9	88.1	88.5	3.6	3.6	3.6		6.3	6.6	6.5	
					Middle	18.9	19.0	19.0	26.9	27.0	27.0	6.8	6.8	6.8	86.4	87.0	86.7	3.7	3.8	3.7	3.7	7.0	7.3	7.2	7.1
					Bottom	19.0	19.0	19.0	27.1	27.1	27.1	6.7	6.7	6.7	85.4	85.1	85.3	3.9	3.8	3.9		7.8	7.6	7.7	
E7	1624-1639	13.8	E	0.5	Surface	18.9	19.0	19.0	26.8	26.8	26.8	6.9	6.9	6.9	87.5	88.0	87.8	3.5	3.5	3.5		6.3	6.2	6.3	
					Middle	19.0	19.0	19.0	26.9	27.0	27.0	6.8	6.8	6.8	86.6	86.2	86.4	3.7	3.7	3.7	3.7	6.9	7.2	7.1	7.0
					Bottom	19.0	19.0	19.0	27.0	27.1	27.1	6.7	6.6	6.6	84.7	84.2	84.5	3.9	3.9	3.9		7.7	7.6	7.7	
F1	1645-1700	12.4	E	0.6	Surface	18.9	18.9	18.9	26.8	26.9	26.9	7.0	7.0	7.0	88.7	89.0	88.9	3.7	3.8	3.7		6.7	6.9	6.8	
					Middle	19.0	19.0	19.0	27.0	27.0	27.0	6.8	6.8	6.8	87.0	86.6	86.8	3.8	3.9	3.9	3.8	7.4	7.6	7.5	7.4
					Bottom	19.0	19.1	19.1	27.1	27.1	27.1	6.7	6.7	6.7	85.1	85.6	85.4	4.0	3.9	3.9		7.8	7.9	7.9	
G3	1706-1720	16.0	E	0.6	Surface	19.0	18.9	19.0	26.8	26.8	26.8	6.9	6.9	6.9	87.8	87.3	87.6	3.7	3.7	3.7		6.3	6.2	6.3	
					Middle	19.0	19.1	19.1	27.0	27.1	27.1	6.8	6.8	6.8	86.5	86.1	86.3	3.8	3.9	3.8	3.8	7.1	7.2	7.2	7.0
					Bottom	19.1	19.1	19.1	27.2	27.2	27.2	6.6	6.7	6.6	84.2	84.6	84.4	4.0	4.0	4.0		7.4	7.5	7.5	
E9	1726-1741	21.2	E	0.7	Surface	19.0	19.0	19.0	26.9	27.0	27.0	6.8	6.9	6.8	86.5	87.1	86.8	3.7	3.7	3.7		6.6	6.8	6.7	
					Middle	19.1	19.1	19.1	27.2	27.1	27.2	6.7	6.7	6.7	85.7	85.2	85.5	3.9	3.9	3.9	3.9	7.2	7.3	7.3	7.2
					Bottom	19.1	19.2	19.2	27.3	27.2	27.3	6.5	6.6	6.6	83.1	83.7	83.4	4.1	4.1	4.1		7.7	7.8	7.8	
S2	1746-1802	12.0	E	0.6	Surface	19.1	19.0	19.1	26.9	26.9	26.9	6.9	6.9	6.9	87.5	88.0	87.8	3.6	3.6	3.6		6.4	6.5	6.5	
					Middle	19.0	19.0	19.0	27.0	27.1	27.1	6.8	6.8	6.8	86.4	86.0	86.2	3.8	3.8	3.8	3.8	7.1	7.1	7.1	7.1
					Bottom	19.1	19.1	19.1	27.2	27.1	27.2	6.7	6.7	6.7	85.4	85.0	85.2	3.9	4.0	3.9		7.7	7.8	7.8	
G2	1810-1827	13.6	E	0.6	Surface	19.0	18.9	19.0	26.9	26.9	26.9	7.0	6.9	6.9	88.4	87.8	88.1	3.6	3.7	3.6		6.3	6.4	6.4	
					Middle	19.0	19.0	19.0	27.1	27.1	27.1	6.9	6.8	6.8	87.3	86.6	87.0	3.8	3.9	3.9	3.8	7.2	7.3	7.3	7.2
					Bottom	19.0	19.1	19.1	27.2	27.2	27.2	6.6	6.6	6.6	84.0	84.5	84.3	4.0	4.0	4.0		7.8	8.0	7.9	
S3	1838-1855	11.0	E	0.5	Surface	18.9	18.9	18.9	26.9	27.0	27.0	7.0	7.0	7.0	88.7	89.3	89.0	3.7	3.7	3.7		6.4	6.6	6.5	
					Middle	18.9	19.0	19.0	27.1	27.1	27.1	6.9	6.9	6.9	87.8	87.4	87.6	3.8	3.8	3.8	3.8	6.9	7.1	7.0	7.0
					Bottom	18.9	19.0	19.0	27.1	27.2	27.2	6.7	6.8	6.7	85.4	85.9	85.7	3.9	4.0	4.0		7.5	7.6	7.6	

Remark or Observation:

Note: \* Average \*\* Depth Average

**Annex C16 Impact Water Quality Monitoring Results during Fourth Round Monitoring on 29 December 2012**

Date: 29-Dec-12  
 Weather: Cloudy  
 Sea Conditions: Small Wave  
 Zone: A

Location	Sampling Time	Water Depth (m)	Current direction	Current speed (ms <sup>-1</sup> )	Monitoring Depth	Temperature (°C)			Salinity (ppt)			DO (mg/l)			DO Saturation (%)			Turbidity (NTU)				Suspended Solids (mg/l)			
						1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	1	2	Ave.*	D.A.**	1	2	Ave.*	D.A.**
C1	1908-1923	38.0	E	0.7	Surface	18.9	18.9	18.9	26.9	26.9	26.9	6.8	6.8	6.8	87.0	86.5	86.8	3.8	3.9	3.3		6.6	6.4	6.5	
					Middle	18.9	19.0	19.0	27.1	27.2	27.2	6.7	6.7	6.7	85.4	85.7	85.6	3.7	3.7	3.4	3.4	6.8	6.9	6.9	7.0
					Bottom	19.0	19.0	19.0	27.3	27.3	27.3	6.5	6.5	6.5	82.9	82.4	82.7	4.0	4.1	3.6		7.4	7.7	7.6	
E8	1929-1943	22.0	E	0.5	Surface	18.9	19.0	19.0	26.9	27.0	27.0	6.8	6.7	6.8	86.2	85.6	85.9	3.9	3.9	3.5		6.8	6.8	6.8	
					Middle	18.9	18.9	18.9	27.0	27.1	27.1	6.7	6.7	6.7	85.1	84.7	84.9	3.7	3.7	3.7	3.6	7.1	7.0	7.1	7.1
					Bottom	19.0	19.0	19.0	27.2	27.1	27.2	6.5	6.5	6.5	83.2	82.8	83.0	4.0	4.0	3.7		7.5	7.6	7.6	
S1	1950-2005	10.8	E	0.4	Surface	18.8	18.9	18.9	26.8	26.9	26.9	6.7	6.6	6.7	85.7	84.0	84.9	3.7	3.8	3.4		6.3	6.4	6.4	
					Middle	18.9	18.9	18.9	26.9	26.9	26.9	6.6	6.6	6.6	84.3	83.7	84.0	3.7	3.8	3.5	3.5	7.3	7.4	7.4	7.1
					Bottom	18.9	19.0	19.0	27.1	27.0	27.1	6.5	6.5	6.5	82.2	82.7	82.5	3.9	3.9	3.6		7.6	7.6	7.6	
G1	2010-2025	12.8	E	0.4	Surface	18.9	18.9	18.9	26.9	26.8	26.9	6.7	6.7	6.7	85.0	85.6	85.3	3.7	3.7	3.5		6.3	6.4	6.4	
					Middle	19.0	19.0	19.0	26.9	27.0	27.0	6.6	6.7	6.6	84.1	84.6	84.4	3.9	3.9	3.7	3.7	7.2	7.4	7.3	7.1
					Bottom	19.0	19.0	19.0	27.1	27.0	27.1	6.4	6.5	6.4	81.8	82.2	82.0	4.0	4.1	3.8		7.5	7.8	7.7	
E7	2031-2045	14.0	E	0.5	Surface	18.9	19.0	19.0	26.9	26.9	26.9	6.8	6.8	6.8	86.4	85.9	86.2	3.6	3.6	3.3		6.6	6.3	6.5	
					Middle	19.0	19.0	19.0	27.0	27.1	27.1	6.7	6.7	6.7	85.2	84.8	85.0	3.8	3.8	3.5	3.5	6.9	7.1	7.0	7.0
					Bottom	19.0	18.9	19.0	27.2	27.1	27.2	6.5	6.5	6.5	82.7	83.2	83.0	4.0	4.0	3.6		7.6	7.4	7.5	
F1	2052-2107	12.6	E	0.5	Surface	18.8	18.9	18.9	26.8	26.8	26.8	6.9	6.9	6.9	87.6	87.1	87.4	3.7	3.8	3.2		6.4	6.4	6.4	
					Middle	18.9	19.0	19.0	26.9	27.0	27.0	6.8	6.8	6.8	86.5	85.9	86.2	3.9	3.9	3.5	3.4	7.1	7.1	7.1	7.1
					Bottom	19.0	19.0	19.0	27.1	27.1	27.1	6.7	6.6	6.6	84.6	84.1	84.4	4.1	4.1	3.5		7.5	7.8	7.7	
G3	2113-2128	16.2	E	0.6	Surface	18.8	18.8	18.8	26.8	26.9	26.9	6.8	6.8	6.8	86.9	86.1	86.5	3.7	3.8	3.3		6.5	6.6	6.6	
					Middle	18.8	18.9	18.9	27.1	27.2	27.2	6.7	6.7	6.7	84.6	85.1	84.9	3.9	4.0	3.5	3.5	7.1	7.4	7.3	7.1
					Bottom	18.9	19.0	19.0	27.2	27.3	27.3	6.4	6.5	6.4	81.5	82.3	81.9	4.1	4.2	3.6		7.6	7.5	7.6	
E9	2135-2149	21.2	E	0.6	Surface	18.9	18.9	18.9	26.9	27.0	27.0	6.8	6.8	6.8	86.0	86.5	86.3	3.8	3.8	3.3		6.5	6.6	6.6	
					Middle	18.9	18.8	18.9	27.1	27.1	27.1	6.7	6.7	6.7	85.2	84.7	85.0	4.0	4.0	3.4	3.5	7.1	7.2	7.2	7.1
					Bottom	18.9	18.9	18.9	27.2	27.2	27.2	6.5	6.4	6.4	82.3	81.5	81.9	4.2	4.2	3.7		7.6	7.6	7.6	
S2	2155-2210	12.2	W	0.5	Surface	18.9	19.0	19.0	26.9	27.0	27.0	6.8	6.9	6.8	86.9	87.3	87.1	3.7	3.8	3.6		6.5	6.6	6.6	
					Middle	18.9	18.9	18.9	27.0	27.0	27.0	6.7	6.7	6.7	85.7	85.2	85.5	3.9	3.9	3.6	3.7	7.1	7.3	7.2	7.1
					Bottom	19.0	19.0	19.0	27.1	27.1	27.1	6.6	6.6	6.6	84.5	84.1	84.3	4.0	4.0	3.8		7.7	7.6	7.7	
G2	2217-2232	14.2	W	0.4	Surface	18.9	18.9	18.9	27.0	27.0	27.0	6.9	6.9	6.9	87.6	87.1	87.4	3.7	3.8	3.5		6.6	6.4	6.5	
					Middle	18.9	18.8	18.9	27.1	27.2	27.2	6.7	6.7	6.7	85.0	85.6	85.3	3.9	4.0	3.7	3.7	7.1	7.3	7.2	7.2
					Bottom	18.9	18.9	18.9	27.2	27.3	27.3	6.6	6.5	6.5	83.3	82.8	83.1	4.1	4.1	3.9		7.7	7.8	7.8	
S3	2239-2255	11.6	W	0.4	Surface	18.8	18.9	18.9	27.0	26.9	27.0	6.9	6.9	6.9	88.3	87.8	88.1	3.8	3.8	3.6		6.4	6.5	6.5	
					Middle	18.8	18.8	18.8	27.0	27.1	27.1	6.9	6.8	6.9	86.5	86.8	86.7	4.0	3.9	3.8	3.7	7.3	7.6	7.5	7.2
					Bottom	18.8	18.9	18.9	27.2	27.1	27.2	6.7	6.7	6.7	84.8	85.2	85.0	4.0	4.0	3.9		7.7	7.6	7.7	

Remark or Observation:

Note: \* Average \*\* Depth Average



## Annex C17 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 1 (07:00), 29 December						
Station	Limits	Surface DO (mg/L)	Middle DO (mg/L)	Bottom DO (mg/L)	* DA Turbidity (NTU)	*DA SS (mg/L)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.41	8.56
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.77	9.27
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

Compliance with Action Level and Limit Level for Zone A - Round 2 (11:00), 29 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.50	8.30
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.87	8.99
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

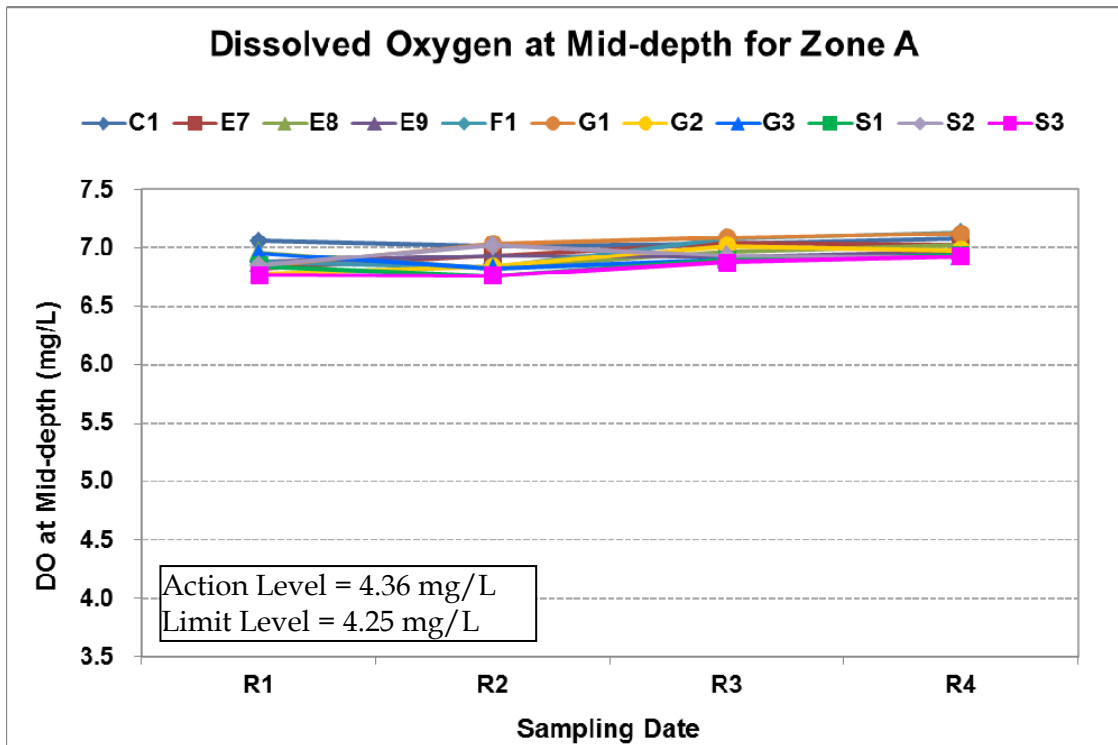
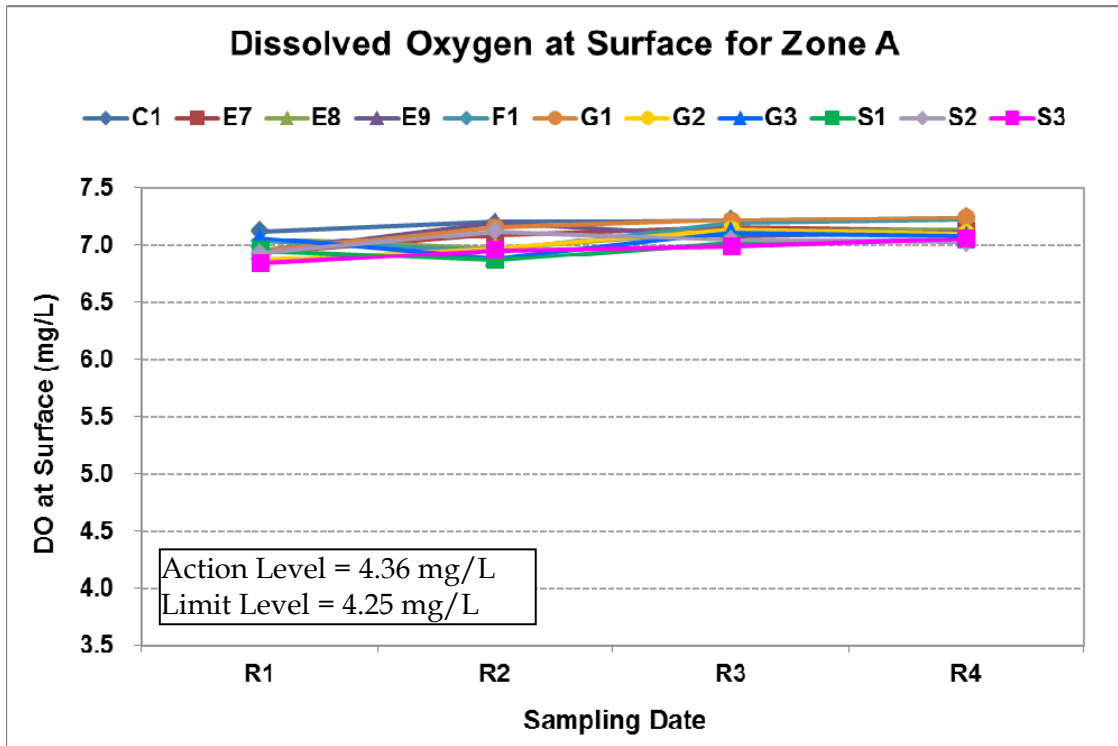
## Annex C18 Summary of Compliance with Action and Limit Level for Zone A

Compliance with Action Level and Limit Level for Zone A - Round 3 (15:00), 29 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.52	8.30
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	4.90	8.99
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged

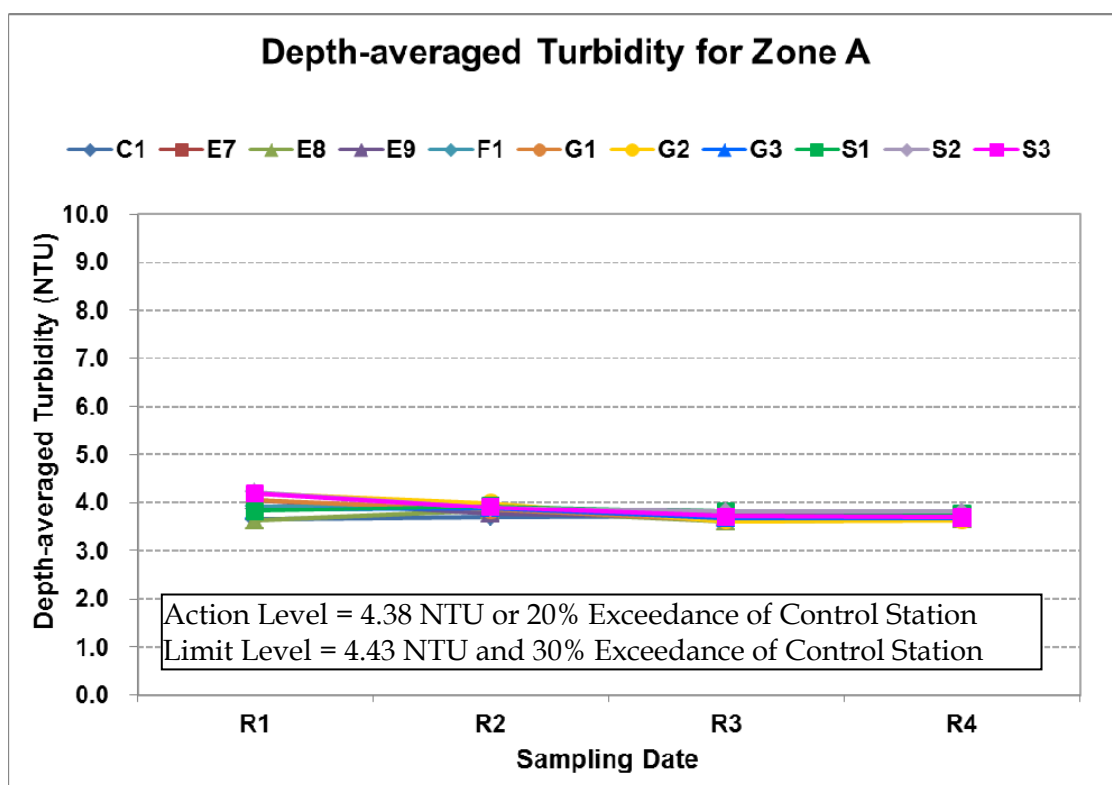
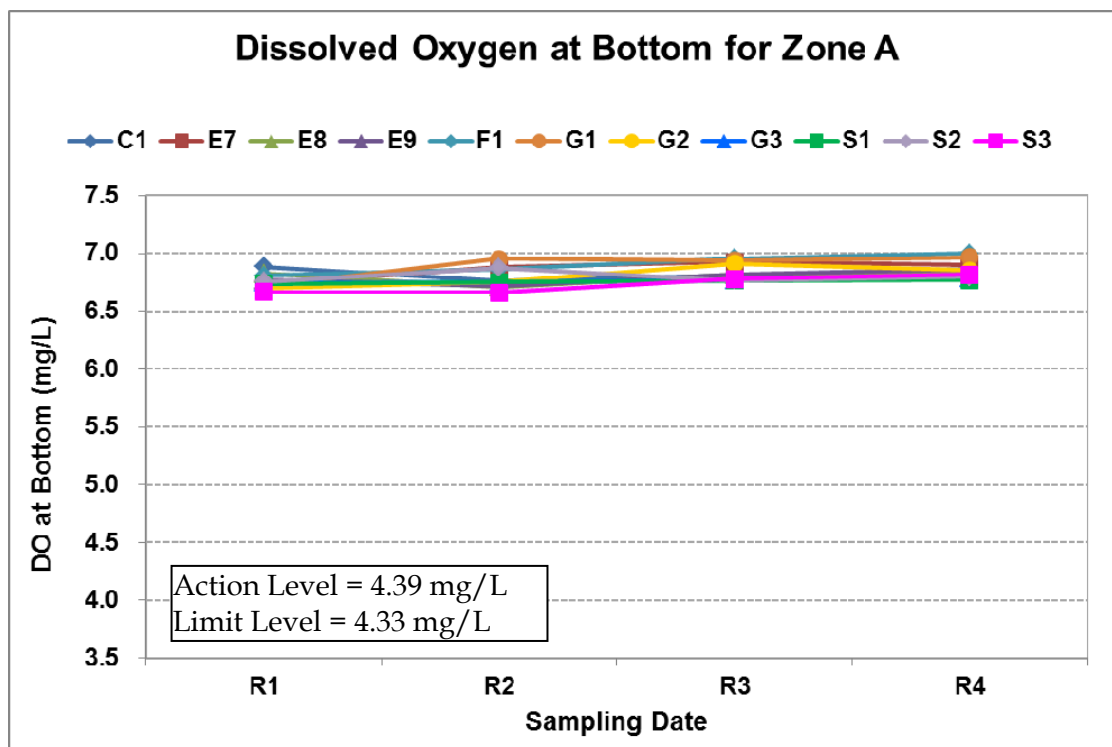
Compliance with Action Level and Limit Level for Zone A - Round 4 (19:00), 29 December						
Station	Limits	DO (Surface)	DO (Middle)	DO (Bottom)	Turbidity (*DA)	SS (*DA)
	Action Level (Baseline)	4.36	4.36	4.39	4.38	6.27
	Or Action Level (C1*1.2)	N.A.	N.A.	N.A.	4.63	8.36
	Limit Level (Baseline)	4.25	4.25	4.33	4.43	6.40
	And Limit Level (C1*1.3)	N.A.	N.A.	N.A.	5.02	9.06
E7	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E8	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
E9	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
F1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S1	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S2	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N
S3	Exceedance of Action Level	N	N	N	N	Y
	Exceedance of Limit Level	N	N	N	N	N

\*DA: Depth-averaged



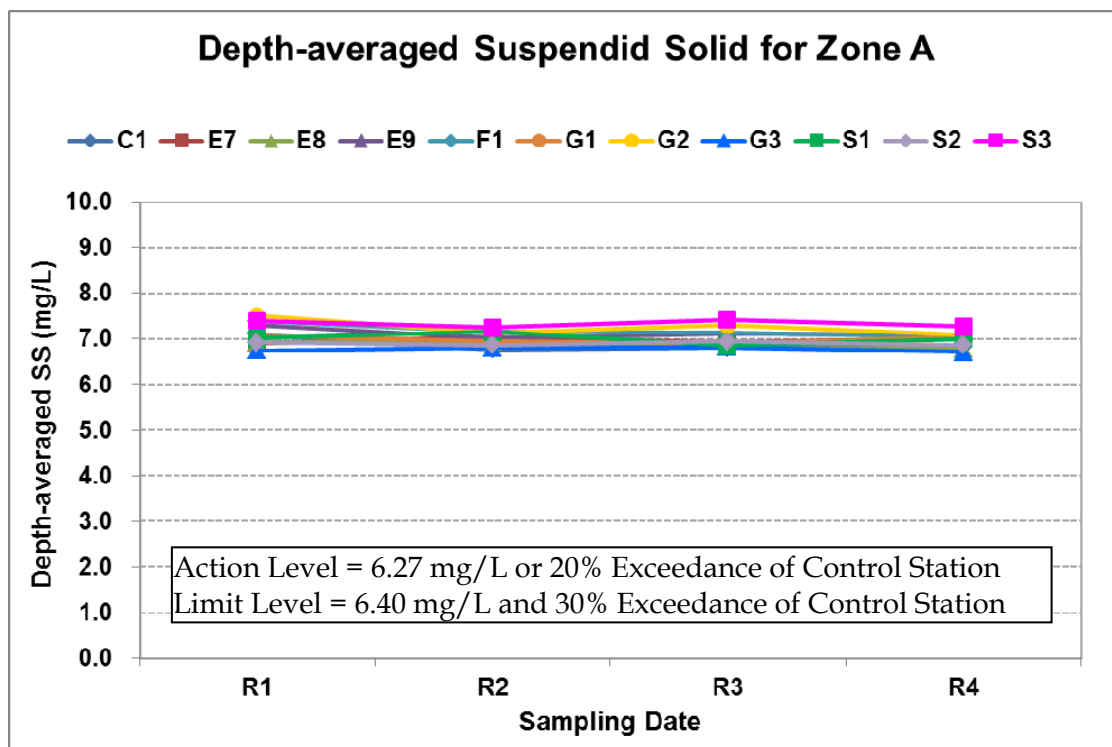
**Figure C1** Dissolved oxygen (mg/L) at surface and mid-depth of water column measured during the impact monitoring on 27 December 2012 for Zone A





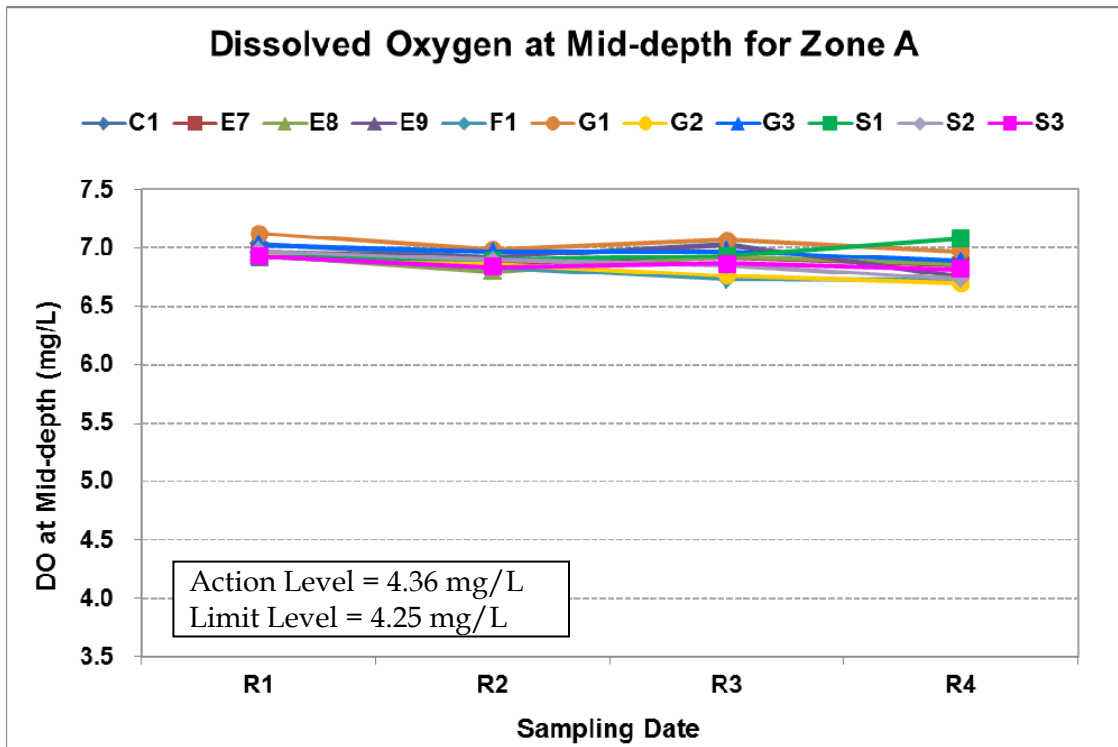
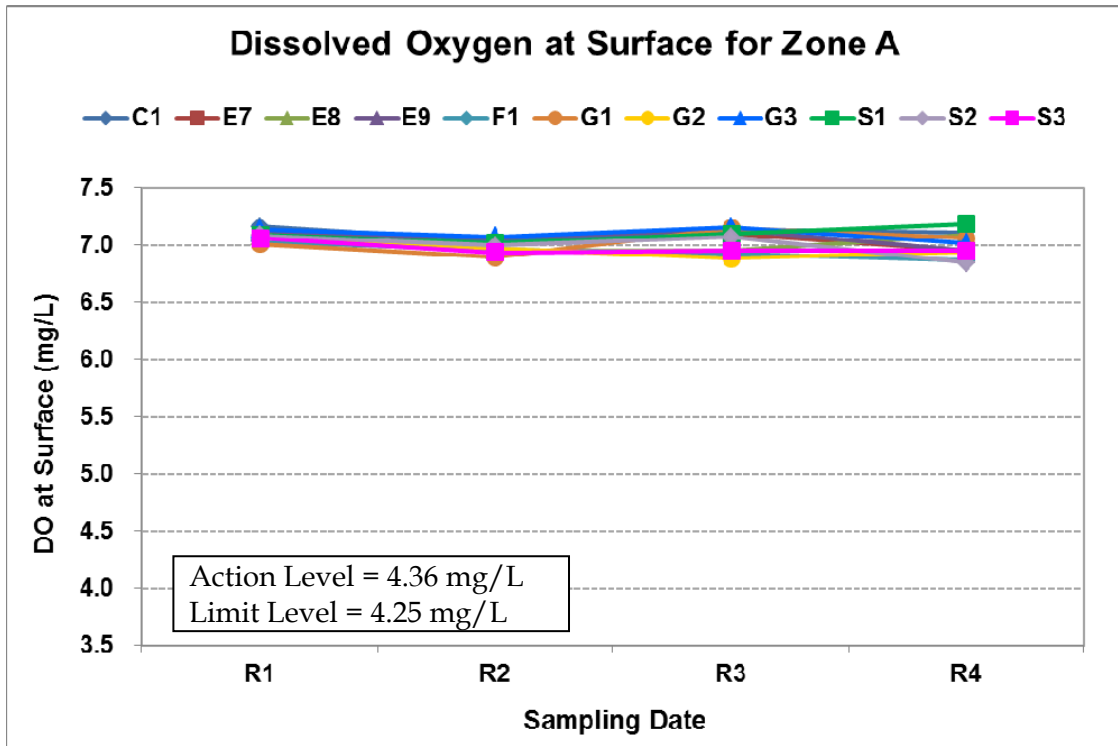
**Figure C2** Dissolved oxygen (mg/L) at bottom of water column and depth-averaged Turbidity (NTU) measured during the impact monitoring on 27 December 2012 for Zone A





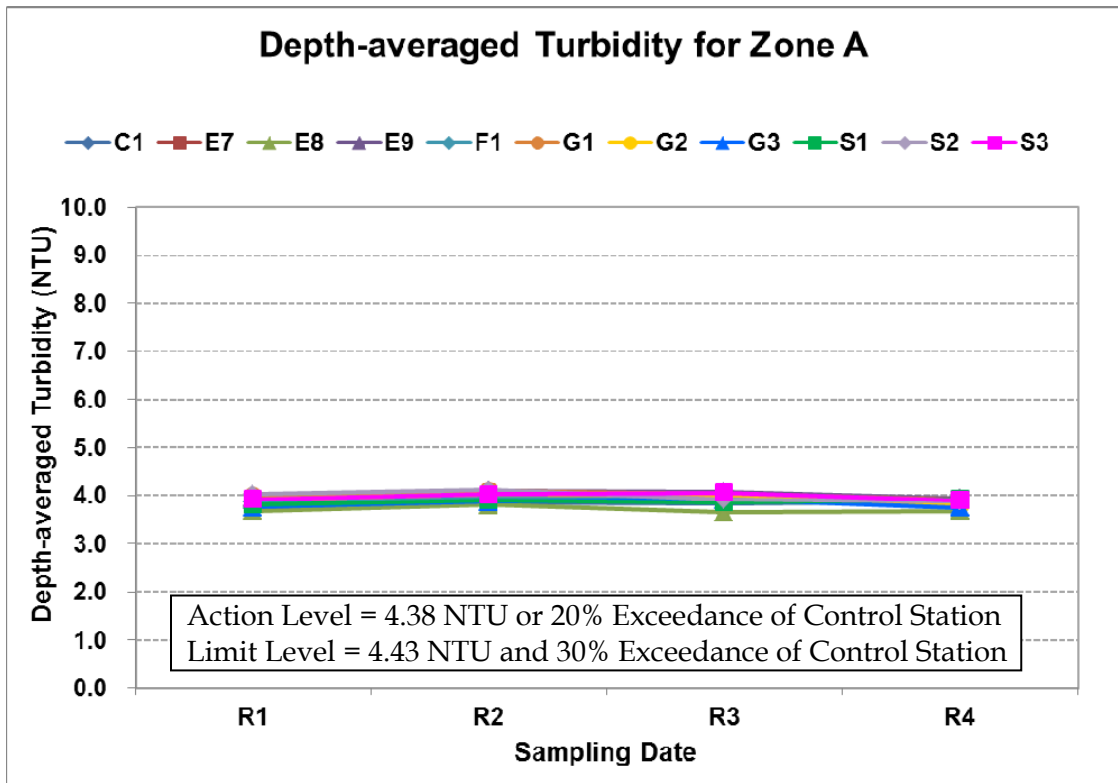
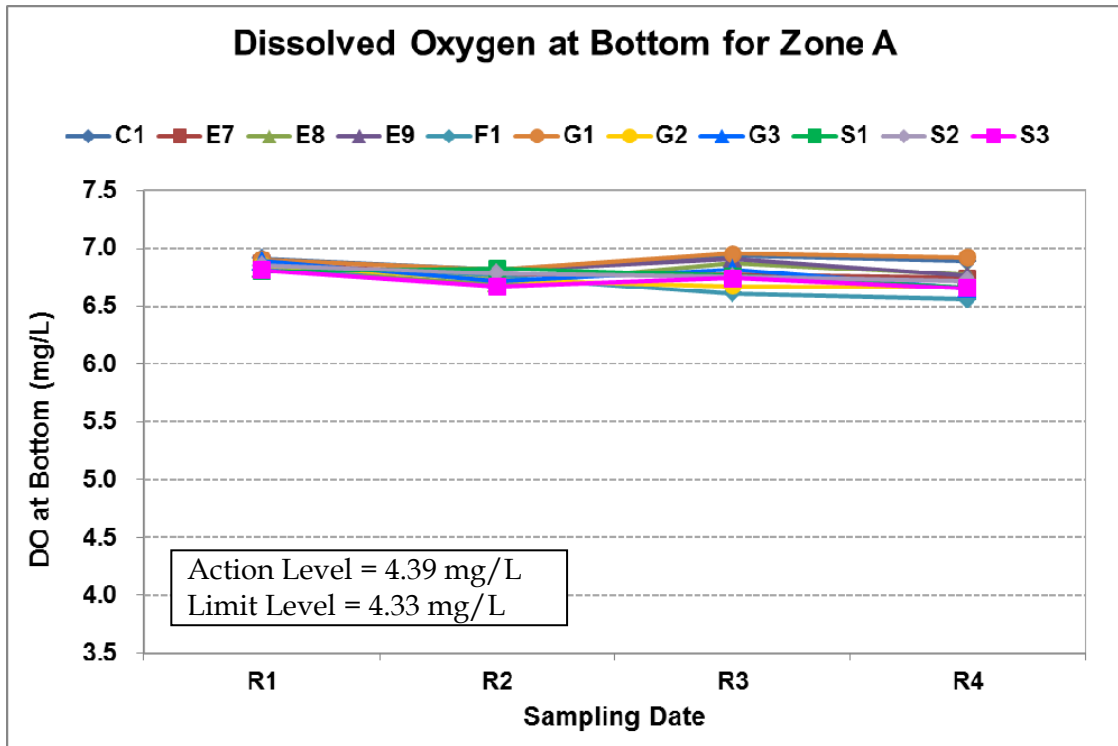
**Figure C3** Depth-averaged suspended solid (mg/L) during the impact monitoring on 27 December 2012 for Zone A





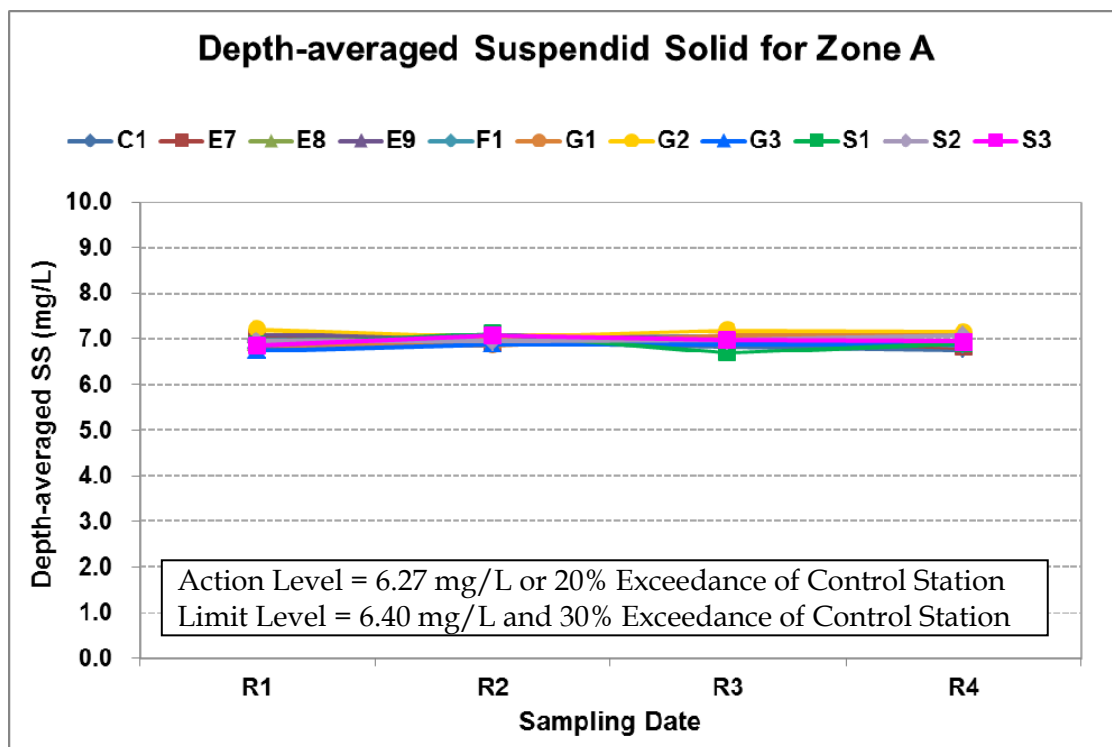
**Figure C4** Dissolved oxygen (mg/L) at surface and mid-depth of water column measured during the impact monitoring on 28 December 2012 for Zone A





**Figure C5** Dissolved oxygen (mg/L) at bottom of water column and depth-averaged Turbidity (NTU) measured during the impact monitoring on 28 December 2012 for Zone A

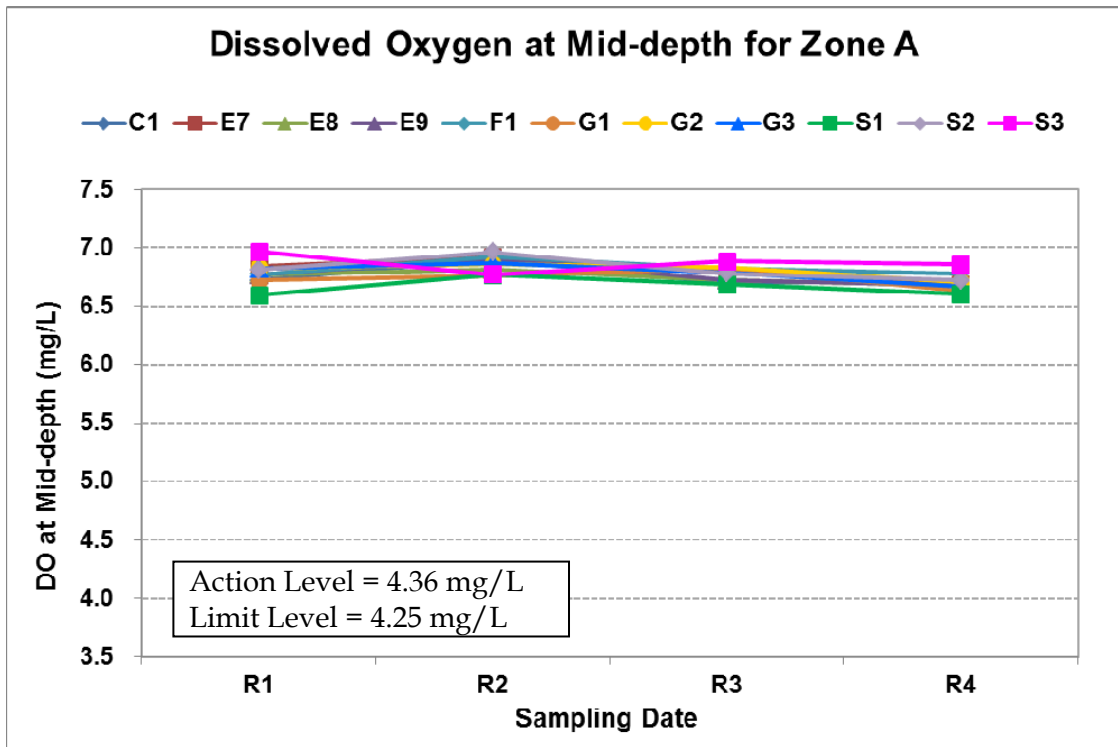
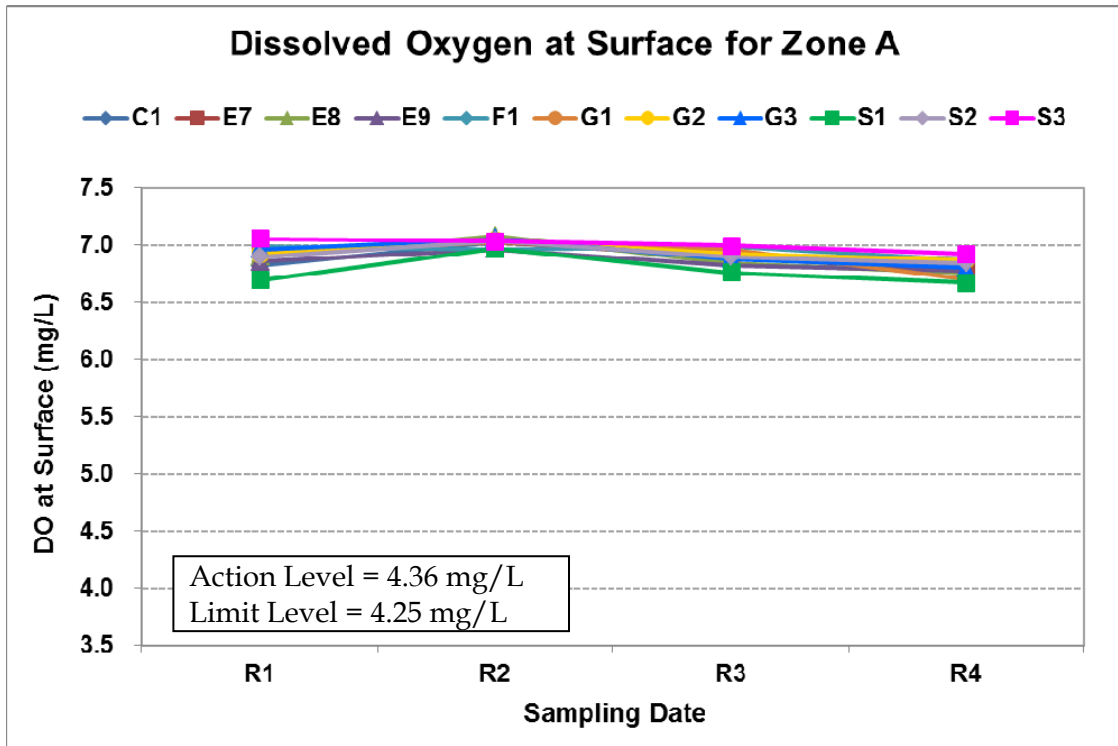




**Figure C6** Depth-averaged suspended solid (mg/L) during the impact monitoring on 28 December 2012 for Zone A

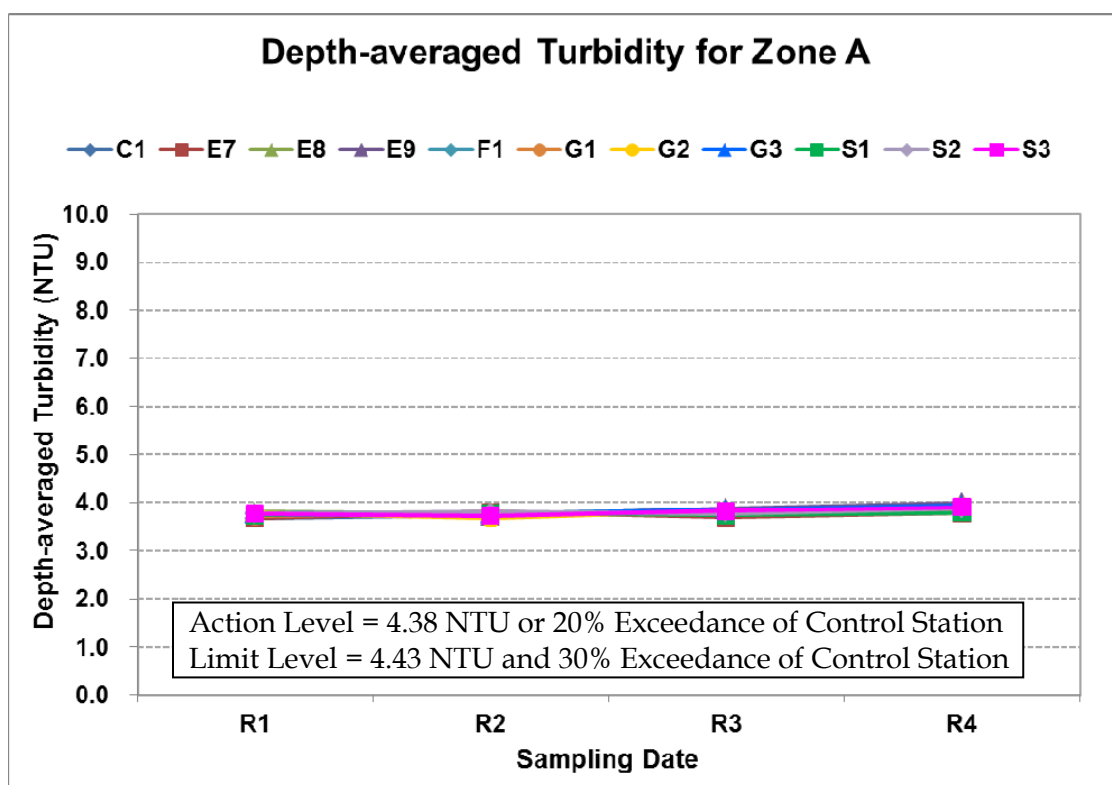
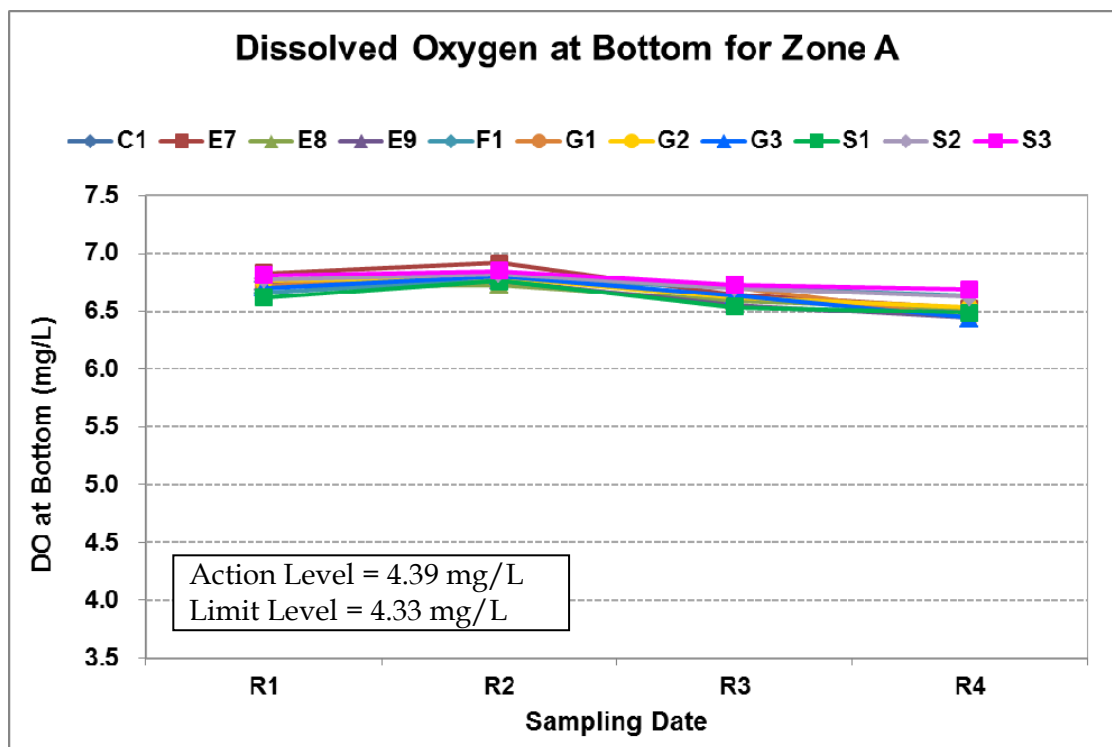






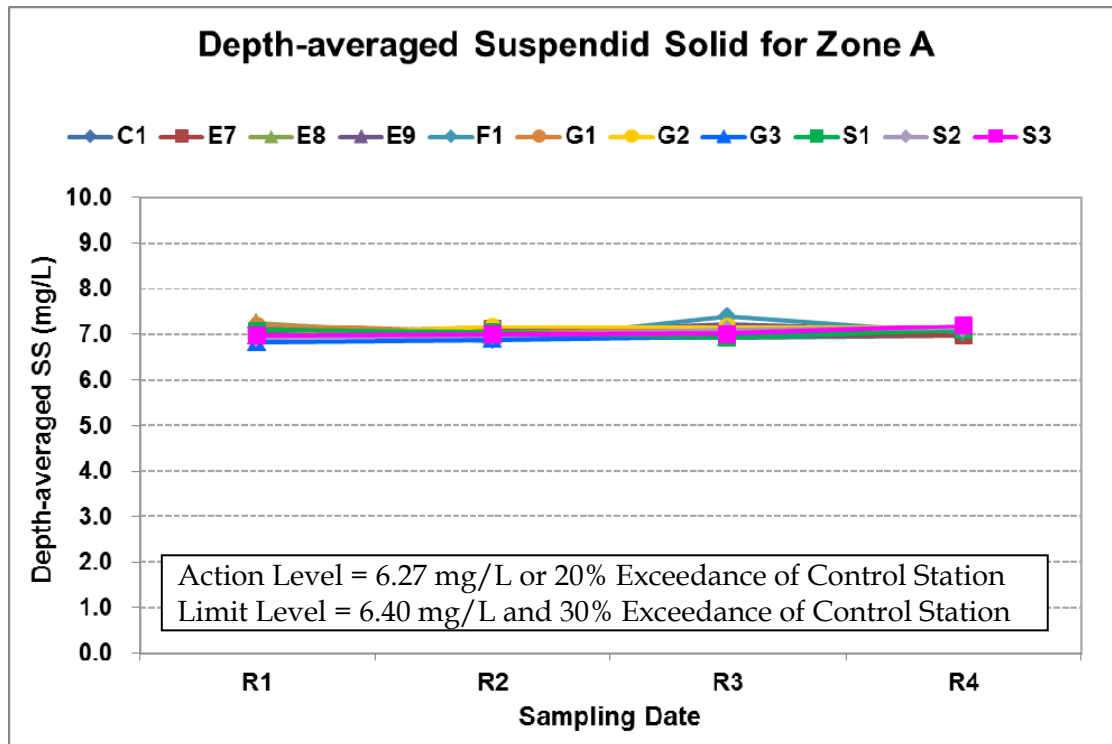
**Figure C7** Dissolved oxygen (mg/L) at surface and mid-depth of water column measured during the impact monitoring on 29 December 2012 for Zone A





**Figure C8** Dissolved oxygen (mg/L) at bottom of water column and depth-averaged Turbidity (NTU) measured during the impact monitoring on 29 December 2012 for Zone A





**Figure C9** Depth-averaged suspended solid (mg/L) during the impact monitoring on 29 December 2012 for Zone A

