BORD NA MÓNA

BORD NA MÓNA ENERGY LIMITED

Srahmore Peat Repository
WL 0199-01

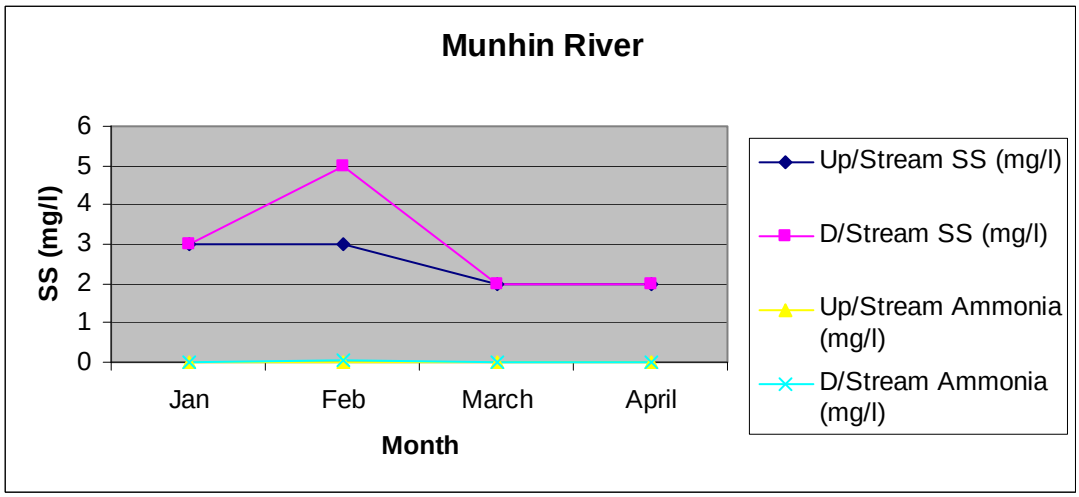
Environmental Management System Up-Date No. 38(15/04/09)

Decommissioning and Rehabilitation

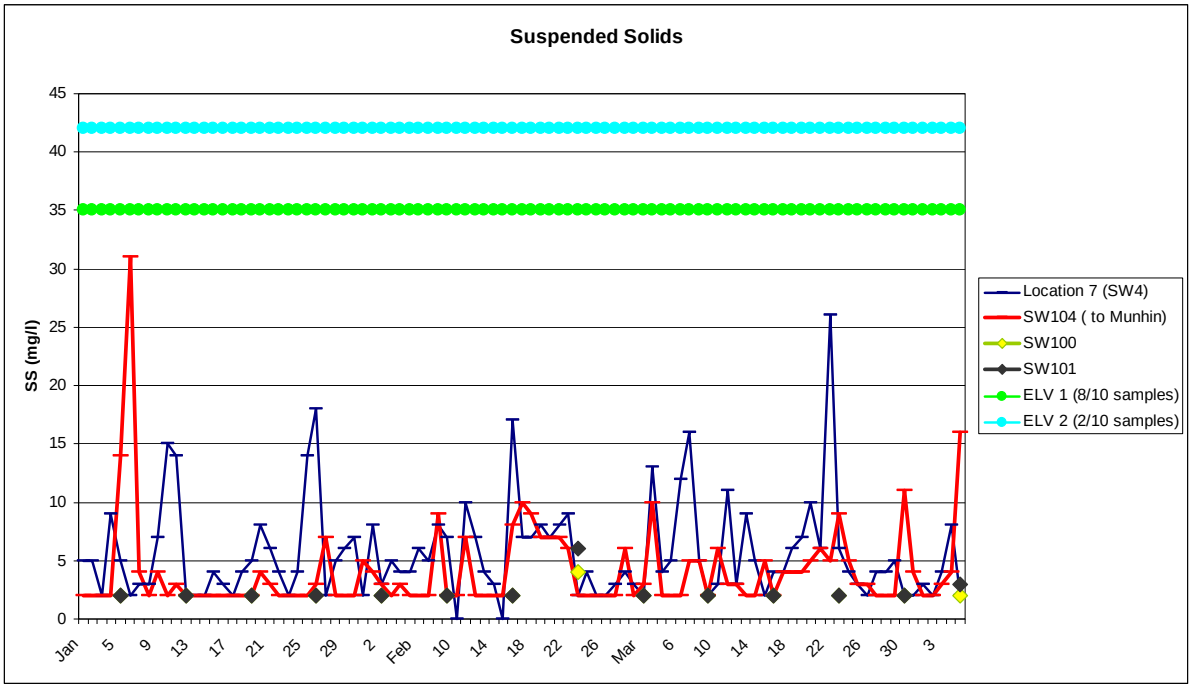
Environmental Monitoring:

- There were No non-compliances at the site since the last meeting
- There were No complaints received at the site since the last meeting.
- There were No incidents recorded at the site since the last meeting.

Monitoring Results: Munhin River (2009)



Monitoring Results: SW4/104/100&101 (2009)



The average SS mg/l for SW4 for 2009 to date, was 5.8mg/l and 4.1mg/l at the discharge from the site to the Munhin at SW104

Srahmore Site Update:

Personnel:

On Site

		Tractor & General Oper.		Environmental	0
BnM (Engineering)	0	Fitters	0	Archaeological	0
Site Admin & Mgt.	1	Electricians	0		
		Site Supervisors	0		
		Excavator & Shovel	0		
				TOTAL EMPLOYED	**1**

Contractors

Security	0	Catering	0		
				TOTAL EMPLOYED	**0**

Off Site

Head Offices Staff	1			BnM (Support)	1
Environmental Officer	1				
				TOTAL EMPLOYED	**3**

OVERALL TOTAL EMPLOYED	**4**

On-going work:

Environmental monitoring as per waste licence WL 0199-01.

As of the 15th April 2009, the Srahmore site is Compliant.

Bellanaboy Bridge Site

Report to the Project Monitoring Committee

15th April 2009

Works Undertaken

The following construction operations are ongoing:

- Operation of Axonics plant
- Environmental and geotechnical monitoring
- Civil's and foundations works
- Erection of structural steel
- Scaffolding erection
- Piping installation on pipe racks, on sleeperways and below ground, including export pipeline.
- Building works.
- Electrical and Instrumentation works including cable rack installation and cable installation.
- Process equipment deliveries and installation.
- Tankage grit blasting and painting.
- Testing of pipe work
- Testing of systems.
- Landscaping (tree planting) works

Outlook from May 2009 Onwards:

- Commencement of insulation works
- Continuation of environmental monitoring and Axonics operation.
- Continuation of civil's and foundation works.
- Continuation of structural steel erection.
- Mobilisation of additional electrical resources.
- Continuation of electrical and instrumentation works
- Continuation of scaffolding erection
- Continuation of piping installation
- Continue building works
- Continued testing of pipe work.
- Continuation of installation of process equipment.
- Continuation of tankage grit blasting and painting.
- Continued testing of electrical systems.
- Continuation of landscaping works.

ENVIRONMENTAL REPORT

Dust - Dust deposition results of 106, 117, 109 and 110 mg/ m^2/day were recorded at D1, D2, D3 and D4 respectively for February.

Dust deposition results of 169, 162, 174 and 183 mg/ m^2/day were recorded at D1, D2, D3 and D4 respectively for March. All values were within the limit of 350 mg/ m^2 /day.

Noise – All construction related noise levels recorded were below the agreed noise limits and any unusual values were attributed to activities immediately adjacent to the monitoring location or elevated wind speeds.

Vibration Monitoring – All vibration monitoring results were within guidance values.

Traffic - There were approximately 395 construction HCV movements during February and March.

Fuel – Approximately 364.68 m^3 of fuel was delivered to site in February and March.

Waste – 13 skips of refuse (Canteen waste, etc.), 6 skips of cardboard/plastics, and 3 skips of metal waste were removed off site during February and March. The effluent holding tanks were emptied of approximately 1535m^3 during February and March. There were 5 hazardous waste collections for the removal of oily waste and chemical waste for the same period.

Water Quality – All monitoring and sampling locations were accessible for download, recalibration and reinstallation during the months of February and March. A summary of the main surface water parameters measured for grab sampling during February and March (available range of lowest to highest) at SP1 is presented below:

pH (pH Units)

6.7 to 7.4

Suspended Solids (mg/l)

2 to 14

Orthophosphate (µg/l P)

10

Nitrite (mg/l NO_2)

0.017 to 0.023

Conductivity (µS/cm)

218 to 332

Turbidity (NTU)

2.8 to 7.5

Groundwater samples were taken and borehole monitoring equipment was downloaded for the months of February and March. A summary of the main groundwater parameters measured (range of lowest to highest) follows:

pH (pH Units)

5.2 to 6.2

Conductivity (µS/cm)

186 to 435

Nitrate (mg/l NO_3)

<0.44

Total Dissolved Solids (mg/l)

98 to 229

Complaints – There were no construction activity related complaints logged with SEPIL during the months of February and March.

Incidents – There were no environmental incidents during the months of February and March.

Exceedances – There was 1 marginal exceedance at SP1 for total aluminium. The exceedance were dated as outlined below (limit is 200 ug/l):

Date	Total Al (µg/L)
04/02/2009	199
10/02/2009	165
19/02/2009	215
24/02/2009	176
05/03/2009	151
10/03/2009	174
19/03/2009	186
26/03/2009	91

The exceedance was marginal and attributed to heavy, persistent rainfall. The other results, which are all lower than the limit, demonstrate a downward trend in total aluminium values.

Necessary Environmental Works

- Continue operation of on-site surface water treatment plant.
- Removal of all waste and effluent from site on an as needs basis.
- Inspect, repair (when required) and recalibrate all in situ monitoring equipment.
- Monitor/sample and download water (surface and ground) quality monitoring devices.

Environmental Improvements

- Further training undertaken with Emergency Spill Response Team. Exercises were undertaken to assess site procedures and identify areas of improvement.
- Environmental noise training carried out with all contractors.
- Axonics water treatment plant now operated on mains electricity replacing the two temporary diesel generators. This make for more efficient plant operation and significant reductions in site diesel consumption.

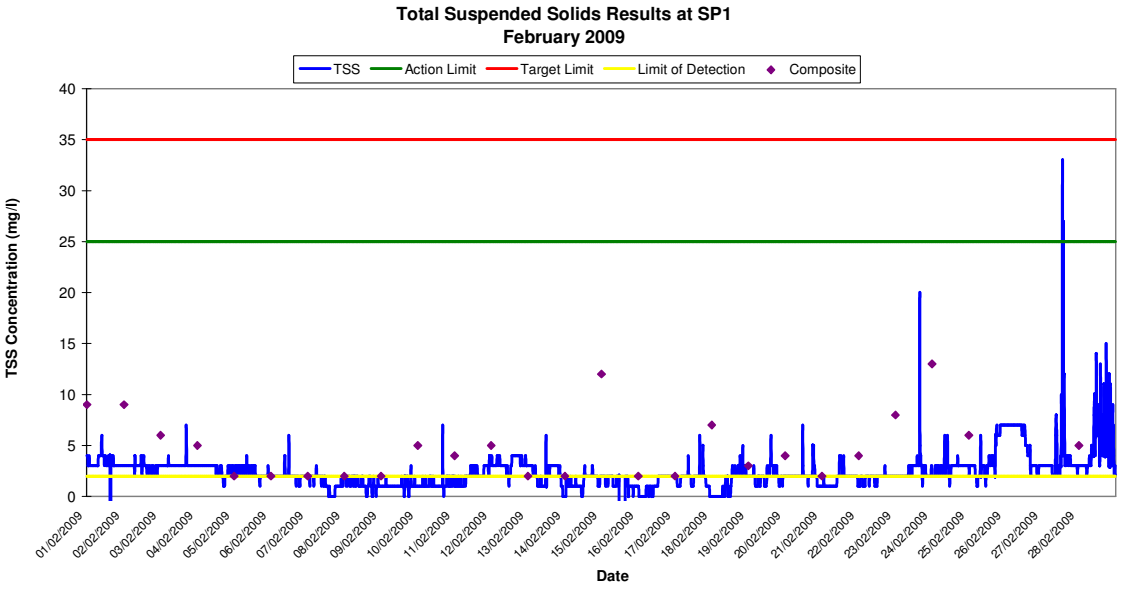
Water Quality Monitoring Graphs

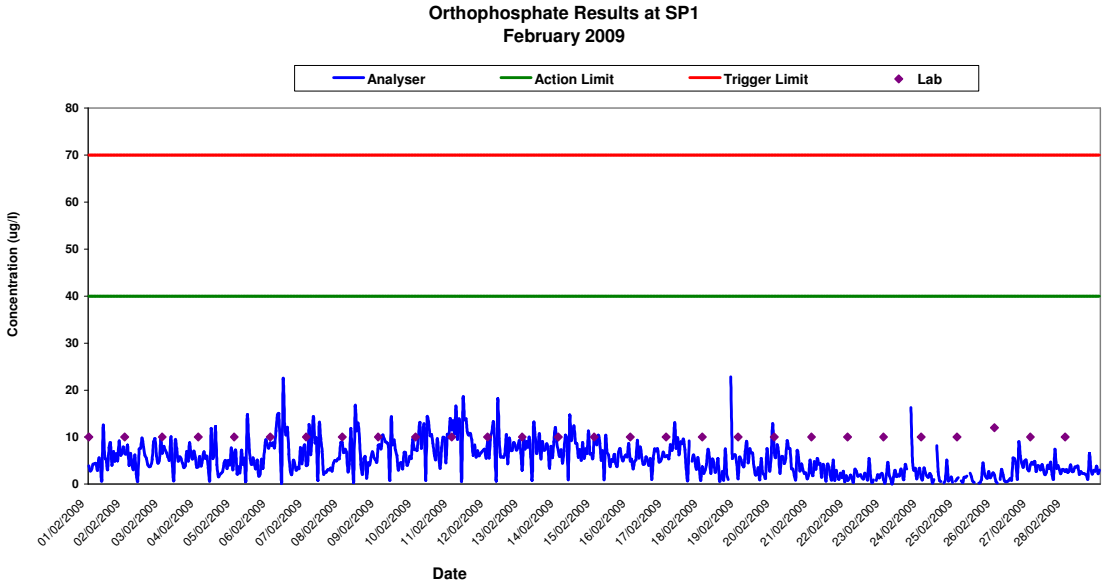
Graphs are attached for monthly continuous monitoring data at SP1 during February and March for total suspended solids, turbidity, and orthophosphate. Please see commentary below for each graph.

Total Suspended Solids: Over the period of the two months short terms peaks correlate with periods of heavy rainfall.

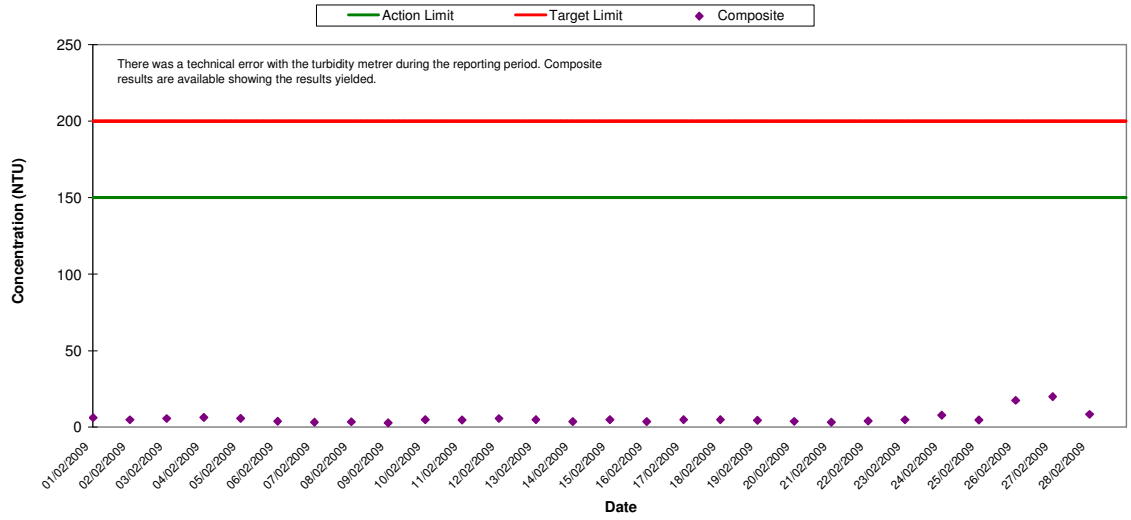
Turbidity: The graph showed a series of spikes over the two months however on site testing showed negligible values on these days indicating that the spikes were due to fluctuations in flow rates and material lodging in the probe. The on site testing data is therefore presented in the graphs.

Orthophosphate: The results yielded were all within the limits of discharge.

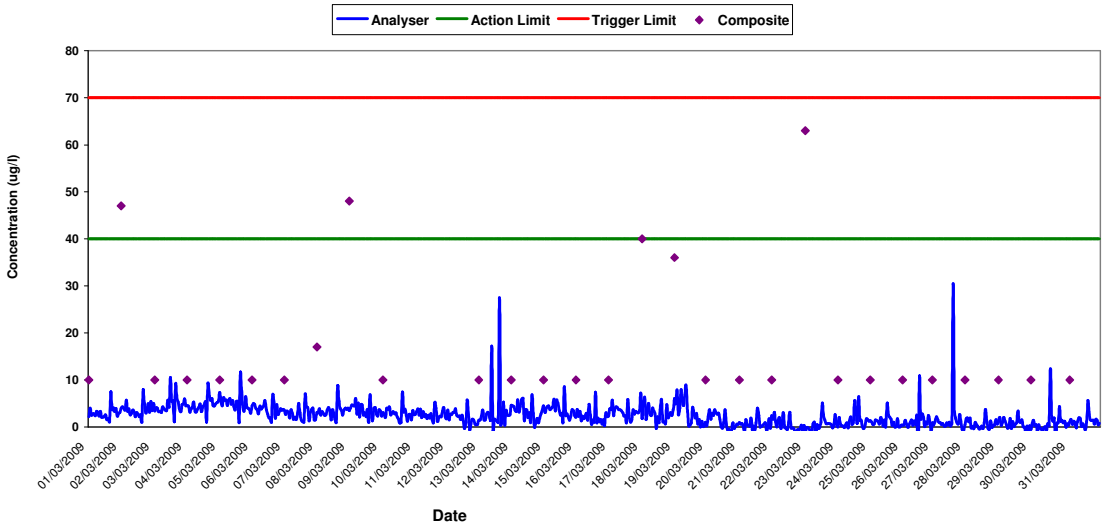

Total Suspended Solids Results at SP1
February 2009
TSS
Action Limit
Target Limit
Limit of Detection
Composite
TSS Concentration (mg/l)
Date


Orthophosphate Results at SP1
February 2009
Analyser
Action Limit
Trigger Limit
Lab
Concentration (ug/l)
Date

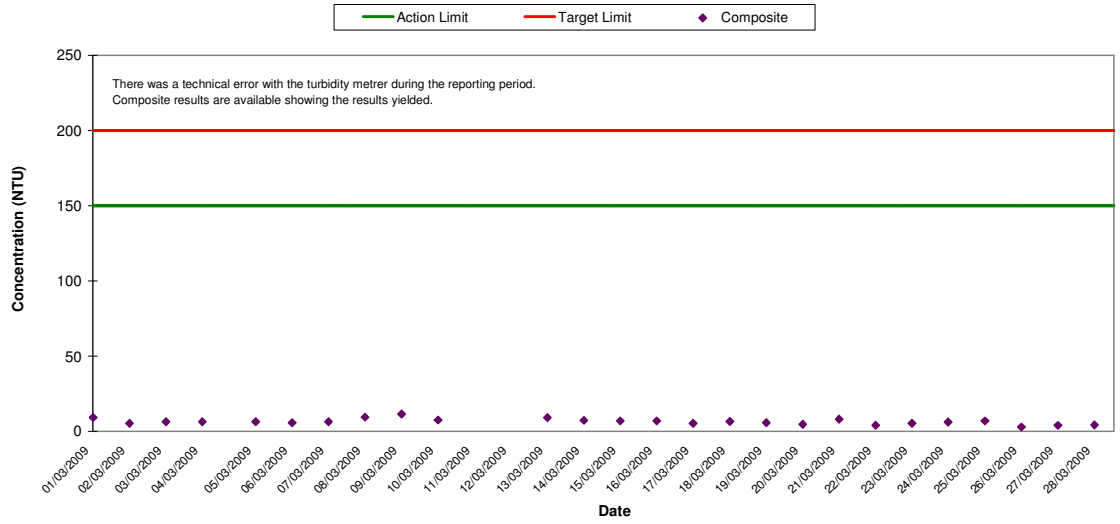
Turbidity Results at SP1
February 2009



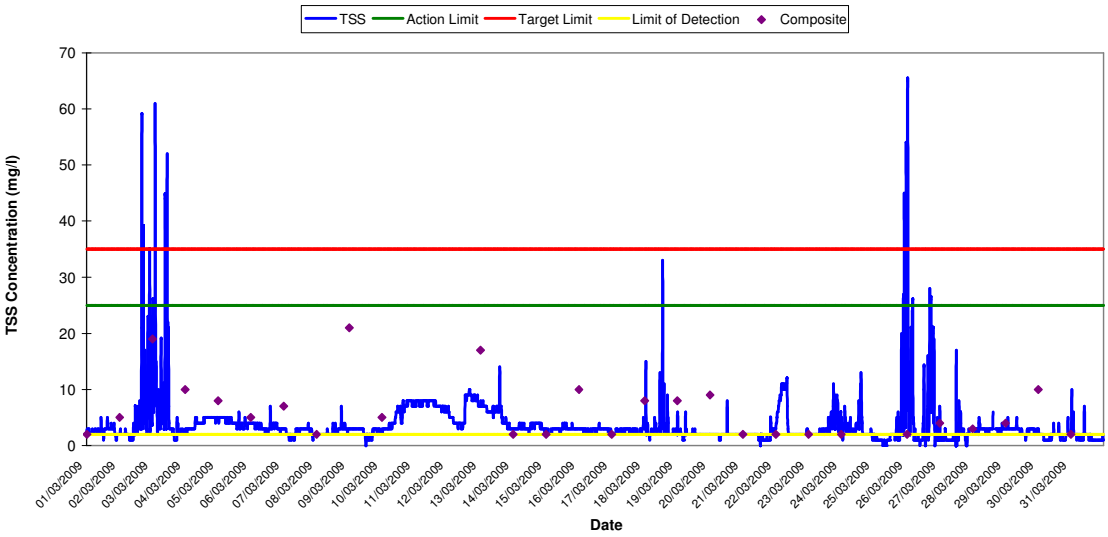
Orthophosphate Results at SP1
March 2009

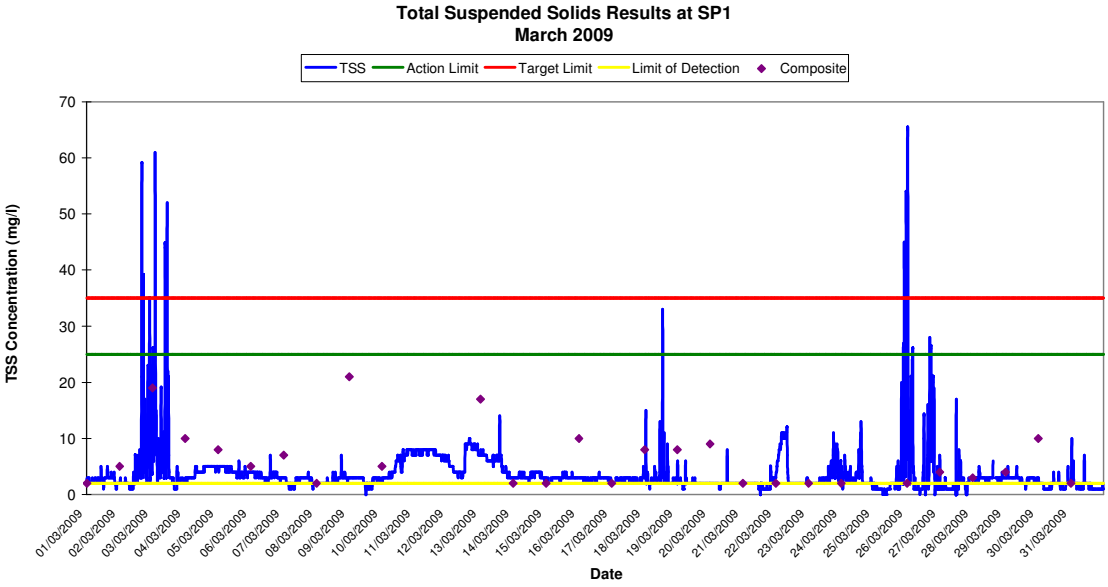


Turbidity Results at SP1
March 2009



Total Suspended Solids Results at SP1
March 2009




Total Suspended Solids Results at SP1
March 2009
TSS
Action Limit
Target Limit
Limit of Detection
Composite
TSS Concentration (mg/l)
70
60
50
40
30
20
10
0
01/03/2009
02/03/2009
03/03/2009
04/03/2009
05/03/2009
06/03/2009
07/03/2009
08/03/2009
09/03/2009
10/03/2009
11/03/2009
12/03/2009
13/03/2009
14/03/2009
15/03/2009
16/03/2009
17/03/2009
18/03/2009
19/03/2009
20/03/2009
21/03/2009
22/03/2009
23/03/2009
24/03/2009
25/03/2009
26/03/2009
27/03/2009
28/03/2009
29/03/2009
30/03/2009
31/03/2009
Date