

1 Monitoring Data

Note:

Access to site was available as of Week 40.

1.1 Rainfall Data

The weather data now being reported is generated by the on-site weather station.

Date	Rainfall (mm)		Date	Rainfall (mm)
24/09/2005	15.2		01/10/2005	3.4
25/09/2005	1.8		02/10/2005	0.0
26/09/2005	32.0		03/10/2005	2.2
27/09/2005	7.0		04/10/2005	0.6
28/09/2005	12.6		05/10/2005	0.0
29/09/2005	8.0		06/10/2005	0.0
30/09/2005	4.0		01/10/2005	3.4

- Total rainfall was 90.2 mm.
- The temperature ranged from 4.8 to 16.9°C

1.2 Summary

Environment	Comments
Surface Water	<ul style="list-style-type: none"> • Water samples at designated monitoring points were taken and issued to the laboratory for analysis. • The duration of visits to site were in-sufficient to assess the status of In-situ monitoring equipment. The status will be evaluated in Week 41 and a schedule for reinstating the monitoring programme will be generated.
Groundwater	<ul style="list-style-type: none"> • Groundwater monitoring will recommence during the next reporting period. • The duration of visits to site were in-sufficient to assess the status of In-situ monitoring equipment. The status will be evaluated in Week 41 and a schedule for reinstating the monitoring programme will be generated.
Noise	
Vibration	
Dust	No dust monitoring is currently being carried out.

2 Environmental Incidents/Near misses/Complaints

There is no way of knowing what if any environmental incidents have occurred during the reporting period, prior to access to site. A full site assessment is being carried out.

Surface Water Monitoring Record Sheet													no... 1 of 1	
Conducted by							Approved by							
Name: Leslie Finnegan					Signed		Name Leslie Finnegan					Signed		
Determinant Results														
	Date	Cond. µS/cm	Temp °C	Turbidity NTU	DO % Sat	TSS mg l ⁻¹	pH	Ortho-phosphate as P µg l ⁻¹	Nitrate as N mg l ⁻¹	Total Phosphorus as P (sw) mg l ⁻¹	Ammonia as NH ₃ -N mg l ⁻¹	Ammonium as NH ₄ mg l ⁻¹	Nitrite as N mg l ⁻¹	Comments
Action Limits		400		150		25	<3.5 or >7.5	40			0.2			
Target Limits		500		200		35	<3 or >8	70			0.5			
Settlement Pond Monitoring														
Additional Surface Water Monitoring														

Note: LAB - Carried out by CLS Laboratories
 Grey shaded areas denote parameters that cannot be analysed on-site or the lab.
 Results detailed above are from on site grab samples only

Groundwater Monitoring Record Sheet											no... 1 of 1		
Conducted by						Approved by							
Name: Leslie Finnegan			Signed			Name Leslie Finnegan			Signed				
Determinant Results													
Location	Date	Cond. uS/cm	Temp °C	BOD mg l ⁻¹	DO % Sat	TSS mg l ⁻¹	Phosphate as P ug l ⁻¹	pH	Total Hardness mg/l CaCO3	Nitrite as NO ₂ mg l ⁻¹	Nitrate as NO ₃ mg l ⁻¹	Phosphate as PO ₄ mg l ⁻¹	Ammonia mg l ⁻¹
MP 1													
MP 2													
MP 3													
MP 4													
MP 5													
MP 6													
MP 7													
MP 8													
MP 9													
MP 10a													
MEL BR4a													

Location	Date	TDS mg l ⁻¹	Arsenic ug l ⁻¹	Mercury ug l ⁻¹	Lead ug l ⁻¹	Aluminium ug l ⁻¹	Zinc ug l ⁻¹	Chromium ug l ⁻¹	Copper ug l ⁻¹	Cadmium ug l ⁻¹	Iron ug l ⁻¹	Tin ug l ⁻¹	
MP 1													
MP 2													
MP 3													
MP 4													
MP 5													
MP 6													
MP 7													
MP 8													
MP 9													
MP 10a													
MEL BR4a													

Note: Results detailed above are from on site grab samples only. Data recorded continuously is shown on the following graphs
 Graphs provided for MP1, MP2,MP4, MP6 and MP7 for: Temperature, Conductivity, and pH.

Dust Monitoring Record Sheet				no... 1 of 1			
Conducted by				Approved by			
Name: Leslie Finnegan		Signed		Name: Leslie Finnegan		Signed	
Determinant Results							
	Date Positioned	Date Removed	Ref. Number	Date Dispatched	Date Returned	Weight (mg/sq.m/day)	Comments
Target (Consent) Limit: 350 mg m² d⁻¹ on as a 30 day average							
D1	31/01/2005	02/03/2005	59793	02/03/2005	24/03/2005	36	
D2	31/01/2005	02/03/2005	59794	02/03/2005	24/03/2005	10	
D3	31/01/2005	02/03/2005	59795	02/03/2005	24/03/2005	25	
D4	31/01/2005	02/03/2005	59796	02/03/2005	24/03/2005	22	
D1	02/03/2005	01/04/2005	61907	01/04/2005	08/04/2005	15	
D2	02/03/2005	01/04/2005	61908	01/04/2005	08/04/2005	15	
D3	02/03/2005	01/04/2005	61909	01/04/2005	08/04/2005	16	
D4	02/03/2005	01/04/2005	61910	01/04/2005	08/04/2005	14	
D1	01/04/2005	04/05/2005	64400	04/05/2005	09/05/2005	9	
D2	01/04/2005	04/05/2005	64401	04/05/2005	09/05/2005	23	
D3	01/04/2005	04/05/2005	64402	04/05/2005	09/05/2005	16	
D4	01/04/2005	04/05/2005	64403	04/05/2005	09/05/2005	7	
D1	04/05/2005	07/06/2005	67524	07/06/2005	10/06/2006	49	
D2	04/05/2005	07/06/2005	67525	07/06/2005	10/06/2006	29	
D3	04/05/2005	07/06/2005	67526	07/06/2005	10/06/2006	83	
D4	04/05/2005	07/06/2005	67527	07/06/2005	10/06/2006	44	
D1	07/06/2005	13/07/2005	70512	13/07/2005	18/07/2005	298	
D2	07/06/2005	13/07/2005	70513	13/07/2005	18/07/2005	354	
D3	07/06/2005	13/07/2005	70514	13/07/2005	18/07/2005	289	
D4	07/06/2005	13/07/2005	70515	13/07/2005	18/07/2005	270	
D1	13/07/2005	11/08/2005					
D2	13/07/2005	11/08/2005					
D3	13/07/2005	11/08/2005					
D4	13/07/2005	11/08/2005					

Monitoring Points are numbered clockwise through the Cardinal Marks (N, E, S, W)
Monitoring Results will be presented monthly

Date	Rainfall	Max	Min	Sunshine
	(mm)	Temp	Temp	(hours)
23/09/2005	11.6	77.3	5.6	93
24/09/2005	10.1	87.2	5.3	254
25/09/2005	11.8	89.5	4.0	88
26/09/2005	14.5	85.0	9.0	29
27/09/2005	11.0	78.1	5.7	67
28/09/2005	11.2	80.4	6.4	72
29/09/2005	12.4	84.6	4.6	85
30/09/2005	13.6	85.6	6.7	50
01/10/2005	11.1	78.7	8.0	126
02/10/2005	12.2	78.1	3.4	85
03/10/2005	12.2	85.7	3.3	78
04/10/2005	12.5	82.2	3.9	254
05/10/2005	13.1	77.3	3.7	254
06/10/2005	13.5	77.3	6.2	178

Gusts	Windspeed	gmin
(m/s)	(m/s)	
1.4	2.4	
0.2	15.2	
1.0	1.8	
0.7	32.0	
1.0	7.0	
0.9	12.6	
0.4	8.0	
0.9	4.0	
0.9	3.4	
0.5	0.0	
0.5	2.2	
0.7	0.6	
0.5	0.0	
0.8	0.0	