

Monitoring period 16 January 2009 - 28 February 2010

DO NOT ALTER TABLE C.2 except to add or remove rows
Copy and paste Table C.2. into the Monitoring Report

Year	Month	FFB processed (Tonnes)	Site verified effluent conversion factor	Volume of wastewater (m ³)	COD Untreated Tonnes/m ³ (Average)	COD Treated Tonnes/m ³ (Average)	Biogas Flared (Nm ³)	Biogas Flared (Nm ³) (Adjusted for efficiency)	Methane content of biogas (95% Confidence Interval)	Total Methane destroyed (Tonnes)	Project Emissions from Electricity Consumption (tCO ₂ e)	Project Emissions from degradable organic carbon in treated wastewater (tCO ₂ e)	Project Emissions from dissolved methane in treated wastewater (tCO ₂ e)
				Q _{y,ww}	COD _{y,ww,untreated}	COD _{y,ww,treated}	BGP _{y,flare}	BGP _{y,flare} *CFE _{ww}	MCbiogas	MDy	PE _{y,power}	PE _{y,ww,treated}	PE _{y,dissolved}
2009	1	0.00	0.80	0.00	0.0373	0.0075	0.00	0.00	62.60	0.00	3.68	8875.90	563.95
2009	2	21,091.00		16,872.80			47,644.20	41,231.50		18.01			
2009	3	24,427.00		19,541.60			73,914.51	59,517.55		26.00			
2009	4	26,032.00		20,825.60			115,429.41	85,428.02		37.31			
2009	5	28,885.00		23,108.00			127,210.00	73,242.80		31.99			
2009	6	30,546.00		24,436.80			209,332.00	120,705.30		52.72			
2009	7	32,172.00		25,737.60			149,089.00	88,885.30		38.82			
2009	8	29,474.00		23,579.20			198,585.00	166,375.40		72.67			
2009	9	23,896.00		19,116.80			221,668.00	192,289.30		83.99			
2009	10	31,962.00		25,569.60			220,554.00	197,136.80		86.11			
2009	11	27,760.00		22,208.00			180,907.00	154,590.90		67.52			
2009	12	24,148.00		19,318.40			208,017.00	184,472.40		77.22			
2010	1	19,278.00		15,422.40			211,452.00	187,088.10		81.72			
2010	2	16,011.00		12,808.80			216,432.00	192,769.30		84.20			

For each month in the monitoring period, copy and "paste special" "values" from worksheet "Data for MR" in the appropriate Monthly ER spreadsheet.

Year	Month	FFB processed (Tonnes)	Site verified effluent conversion factor	Volume of wastewater (m ³)	COD Untreated Tonnes/m ³ (Average)	COD Treated Tonnes/m ³ (Average)	Biogas Flared (Nm ³)	Biogas Flared (Nm ³) (Adjusted for efficiency)	Methane content of biogas (95% Confidence Interval)	Total Methane destroyed (Tonnes)	Project Emissions from Electricity Consumption (tCO ₂ e)	Project Emissions from degradable organic carbon in treated wastewater (tCO ₂ e)	Project Emissions from dissolved methane in treated wastewater (tCO ₂ e)
				Q _{y,ww}	COD _{y,ww,untreated}	COD _{y,ww,treated}	BGP _{y,flare}	BGP _{y,flare} *CFE _{ww}	MCbiogas	MDy	PE _{y,power}	PE _{y,ww,treated}	PE _{y,dissolved}
2009	1	0	0.80	0.00	0.0373	0.0075	0.00	0.00	62.60	0.00	0.00	8875.90	563.95
2009	2	21,091		16,872.80			47,644.20	41,231.50		18.01	0.28		
2009	3	24,427		19,541.60			73,914.51	59,517.55		26.00	0.28		
2009	4	26,032		20,825.60			115,429.41	85,428.02		37.31	0.28		
2009	5	28,885		23,108.00			127,210.00	73,242.80		31.99	0.28		
2009	6	30,546		24,436.80			209,332.00	120,705.30		52.72	0.28		
2009	7	32,172		25,737.60			149,089.00	88,885.30		38.82	0.28		
2009	8	29,474		23,579.20			198,585.00	166,375.40		72.67	0.28		
2009	9	23,896		19,116.80			221,668.00	192,289.30		83.99	0.28		
2009	10	31,962		25,569.60			220,554.00	197,136.80		86.11	0.28		
2009	11	27,760		22,208.00			180,907.00	154,590.90		67.52	0.28		
2009	12	24,148		19,318.40			208,017.00	184,472.40		77.22	0.28		
2010	1	19,278		15,422.40			211,452.00	187,088.10		81.72	0.28		
2010	2	16,011		12,808.80			216,432.00	192,769.30		84.20	0.28		

Monitoring period

16 January 2009 - 28 February 2010

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Table H.1. Amount of methane destroyed				
Year	Month	Biogas flared (Nm ³)	Biogas Flared (Nm ³) (Adjusted for efficiency)	Total Methane destroyed (Tonnes)
		BGP _{Flare}	BGP _{Flare} *CFE _{ww}	
2009	1	0.00	0.00	0.00
2009	2	47,644.20	41,231.50	18.01
2009	3	73,914.51	59,517.55	26.00
2009	4	115,429.41	85,428.02	37.31
2009	5	127,210.00	73,242.80	31.99
2009	6	209,332.00	120,705.30	52.72
2009	7	149,089.00	88,885.30	38.82
2009	8	198,585.00	166,375.40	72.67
2009	9	221,668.00	192,289.30	83.99
2009	10	220,554.00	197,136.80	86.11
2009	11	180,907.00	154,590.90	67.52
2009	12	208,017.00	184,472.40	77.22
2010	1	211,452.00	187,088.10	81.72
2010	2	216,432.00	192,769.30	84.20
		Total		758.27

Table H.2. Periodical Methane Content				
Quarter	Quarter Period	Sampling Date	CH ₄ %	
			Sampling Result (%)	MC _{biogas}
1	Jan - Mar	9-Jan-2009	61.50	62.60
		25-Feb-2009	61.80	
2	Apr - Jun	21-Apr-2009	64.50	
3	Jul - Sept	24-Jul-2009	77.00	
		8-Oct-2009	65.10	
4	Oct - Dec	24-Nov-2009	65.00	
		20-Jan-2010	65.80	
1	Jan - Mar	2-Feb-2010	66.90	

Table H.3. Project Emissions				
Year	Month	Project Emission from Electricity Consumption (tCO ₂ e)	Project Emissions from degradable organic carbon in treated wastewater (tCO ₂ e)	Project Emissions from dissolved methane in treated wastewater (tCO ₂ e)
		PE _{y, power}	PE _{y, ww, treated}	PE _{y, dissolved}
2009	1	3.68	8,875.90	563.95
2009	2			
2009	3			
2009	4			
2009	5			
2009	6			
2009	7			
2009	8			
2009	9			
2009	10			
2009	11			
2009	12			
2010	1	3.68	8,875.90	563.95
2010	2			
Total		3.68	8,875.90	563.95

Table H.4. Emission Reductions							
Monitoring Period	Total methane destroyed (tCH ₄)	Global warming potential of methane	Total methane destroyed (tCO ₂ e)	Project Emission from Electricity Consumption (tCO ₂ e)	Project Emissions from degradable organic carbon in treated wastewater (tCO ₂ e)	Project Emissions from dissolved methane in treated wastewater (tCO ₂ e)	Emission reduction (t CO ₂ e)
		GWP _{CH4}		PE _{y, power}	PE _{y, ww, treated}	PE _{y, dissolved}	ER _y
16 January 2009 - 28 February 2010	758.27	21	15,923.61	3.68	8,875.90	563.95	6,480

MC_{biogas}
 calculation at 95% confidence interval

Confidence Interval Calculator

95.0% Confidence Level %
 2 Decimal Points

Copy and paste data into highlighted cell below from Regulatory Site Visit Checklist(s) pertaining to the monitoring period

Year	Quarter	Quarter Period (90 Days)	Reading Date	CH ₄ (%)	Gas Analyzer	Quarterly Methane Content (do not alter the cells below)						
						Lower Boundary / Minimum at 95% confidence	Upper Boundary / Maximum at 95% confidence	mean ± range	X _n - average	S _n - sigma (stdev)	n	± range
2009	1	Jan - Mar	9-Jan-09	61.50	ADC 1139	62.60	69.30	65.95±3.35	65.95	4.84	8	3.35
			25-Feb-09	61.80	ADC 1139							
2009	2	Apr - Jun	21-Apr-09	64.50	ADC 1139							
2009	3	Jul - Sept	24-Jul-09	77.00	ADC 1139							
			8-Oct-09	65.10	ADC 1139							
2009	4	Oct - Dec	24-Nov-09	65.00	ADC 1139							
			20-Jan-10	65.80	ADC 1139							
2010	1	Jan - Mar	2-Feb-10	66.90	Landtec BM12142							