

**Teralba Power Generation Plant**

**Licence Number:** 12088

**Licence Holder:** Envirogen PTY LTD

**Licensee Address:** 1 Railway Street TERALBA NSW 2284

**Testing Month/Year:** May-12

Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units of measure	Monitoring frequency required by licence	Licence Limit	No. of times measured during month	Min. value	Mean value	Max. Value
Point 09 - Water quality monitoring. Outlet of oil-water separator				Oil and Grease	Milligrams per litre	Monthly	0	1			
				Total suspended solids	Milligrams per litre	Monthly	<50	1			
				pH	pH	Monthly	6.5-8.5	1			

Point 1 - Air emissions monitoring, Exhaust stack gas engine 1	17/05/12		3/07/14	Dry gas density	kilograms per cubic metre	Yearly				1.32	
	17/05/12		3/07/14	Moisture content	Percent	Yearly				10.6	
	17/05/12		3/07/14	Molecular weight of stack gases	grams per gram mole	Yearly		1		29.5	
	17/05/12		3/07/14	Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1		378	
	17/05/12		3/07/14	Oxygen (O2)	percent	Yearly		1		9.9	
	17/05/12		3/07/14	Temperature	degrees Celsius	Yearly		1		386	
	17/05/12		3/07/14	Velocity	metres per second	Yearly		1		47.7	
	17/05/12		3/07/14	Volumetric flowrate	cubic metres per second	Yearly		1		1.46	

<b>Point 2 - Air emissions monitoring, Exhaust stack gas engine 2</b>	17/05/12		3/07/14	Dry gas density	kilograms per cubic metre	Yearly			1.32
	17/05/12		3/07/14	Moisture content	Percent	Yearly			13.3
	17/05/12		3/07/14	Molecular weight of stack gases	grams per gram mole	Yearly		1	29.6
	17/05/12		3/07/14	Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	434
	17/05/12		3/07/14	Oxygen (O2)	percent	Yearly		1	8.9
	17/05/12		3/07/14	Temperature	degrees Celsius	Yearly		1	404
	17/05/12		3/07/14	Velocity	metres per second	Yearly		1	47.5
	17/05/12		3/07/14	Volumetric flowrate	cubic metres per second	Yearly		1	1.3
<b>Point 3 - Air emissions monitoring, Exhaust stack gas engine 3</b>	-			Dry gas density	kilograms per cubic metre	Yearly			-
	-			Moisture content	Percent	Yearly			-
	-			Molecular weight of stack gases	grams per gram mole	Yearly		1	-
	-			Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2	1	-
	-			Oxygen (O2)	percent	Yearly		1	-
	-			Temperature	degrees Celsius	Yearly		1	-
	-			Velocity	metres per second	Yearly		1	-

			-	Volumetric flowrate	cubic metres per second	Yearly			1	-
<b>Point 4 - Air emissions monitoring, Exhaust stack gas engine 4</b>	17/05/12		3/07/14	Dry gas density	kilograms per cubic metre	Yearly				1.31
	17/05/12		3/07/14	Moisture content	Percent	Yearly				14.2
	17/05/12		3/07/14	Molecular weight of stack gases	grams per gram mole	Yearly			1	29.4
	17/05/12		3/07/14	Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2		1	430
	17/05/12		3/07/14	Oxygen (O2)	percent	Yearly			1	9.6
	17/05/12		3/07/14	Temperature	degrees Celsius	Yearly			1	391
	17/05/12		3/07/14	Velocity	metres per second	Yearly			1	44.3
	17/05/12		3/07/14	Volumetric flowrate	cubic metres per second	Yearly			1	1.29
<b>Point 5 - Air emissions monitoring, Exhaust stack gas engine 5</b>	Engine not currently installed onsite.			Dry gas density	kilograms per cubic metre	Yearly				0
				Moisture content	Percent	Yearly				
				Molecular weight of stack gases	grams per gram mole	Yearly			1	
				Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2		1	
				Oxygen (O2)	percent	Yearly			1	
				Temperature	degrees Celsius	Yearly			1	

		Velocity	metres per second	Yearly			1		
		Volumetric flowrate	cubic metres per second	Yearly			1		
<b>Point 6 - Air emissions monitoring, Exhaust stack gas engine 6</b>	Engine not currently installed onsite.	Dry gas density	kilograms per cubic metre	Yearly					
		Moisture content	Percent	Yearly					
		Molecular weight of stack gases	grams per gram mole	Yearly				1	
		Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2			1	Engine not currently installed onsite.
		Oxygen (O2)	percent	Yearly				1	
		Temperature	degrees Celsius	Yearly				1	
		Velocity	metres per second	Yearly				1	
		Volumetric flowrate	cubic metres per second	Yearly				1	
		Dry gas density	kilograms per cubic metre	Yearly					
Moisture content	Percent	Yearly							
Molecular weight of stack gases	grams per gram mole	Yearly				1			
Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2			1	Engine not currently installed onsite.		
Oxygen (O2)	percent	Yearly				1			
<b>Point 7 - Air emissions monitoring, Exhaust stack gas engine 7</b>	Engine not currently installed onsite.								

		Temperature	degrees Celsius	Yearly		1	
		Velocity	metres per second	Yearly		1	
		Volumetric flowrate	cubic metres per second	Yearly		1	
<b>Point 8 - Air emissions monitoring, Exhaust stack gas engine 8</b>	Engine not currently installed onsite.	Dry gas density	kilograms per cubic metre	Yearly			
		Moisture content	Percent	Yearly			
		Molecular weight of stack gases	grams per gram mole	Yearly			1
		Nitrogen Oxides	milligrams per normalised cubic metre	6 Monthly	<450 Dry 273K 101.3kPa 7% O2		1
		Oxygen (O2)	percent	Yearly			1
		Temperature	degrees Celsius	Yearly			1
		Velocity	metres per second	Yearly			1
		Volumetric flowrate	cubic metres per second	Yearly			1
							Engine not currently installed onsite.