



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L6341/1988/10	Licence file number:	DER2014/001534
Licence holder name:	Simcoa Operations Pty Ltd		
Trading as:	As Above		
ACN:	009 064 653		
Registered business address:	973 Marriott Rd WELLESLEY WA 6233		
Reporting period:	1 / 1 / 2019 to 31 / 12 / 2019		

Section B – Statement of compliance with licence conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D (if required); and• sign the declaration in Section F.
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none">• section C;• section D (if required);• section E; and• sign the declaration in Section F.

Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
Metal Smelting or Refining (Category 44) (Silicon)	46,826 Tonnes
Char manufacturing (Category 37)	25,076 Tonnes

Section D – Statement of actual Part 2 waste discharge quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual Part 2 waste discharge quantity
Wastewater discharged to Kemerton Titanium	45,561 m3

Section D – Statement of actual Part 2 waste discharge quantity

Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.

Prescribed premises category	Actual Part 2 waste discharge quantity
dioxide processing plant	
Wastewater discharged to land	10,769

Section E – Details of non-compliance with licence condition

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.

Condition no:	3.2.1	Date(s) of non-compliance:	1/4/2019 – 2/4/2019
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Details of non-compliance:

Simcoa’s environmental licence specifies use of Method 201A for measurement of PM10 at the Furnace 3 Baghouse and Charcoal Retort Stack. Due to the unsuitability of this testing method for the application, Simcoa’s stack testing consultants substituted the equivalent Method 5 for this analysis.

This method substitution is necessary as the Retort stack temperatures are too high to allow Method 201A to be utilized without damaging the testing equipment, and the F3 baghouse emissions are too low to achieve an accurate quantification of PM10 levels.

What was the actual (or suspected) environmental impact of the non-compliance?

NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.

There was no environmental impact as a result of this non compliance. Measurement of PM10 air emissions at the plant would not be possible without substitution of measurement methodology. Use of Method 5 is considered an appropriate substitution for this measurement by the stack measuring consultancy

This non compliance occurred at Emission Point Reference A2 and A3. The location of these emission points are displayed in licence L6341/1988/10.

Cause (or suspected cause) of non-compliance:

Under the previous version of the licence (published in 2014), measurement of PM and PM10 was able to be performed using Method 5, Method 17 or Method 201A. See Figure 1.

Section E – Details of non-compliance with licence condition

3.2 Monitoring of point source emissions to air

3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of point source emissions to air

Emission point reference	Parameter	Units ¹	Averaging period	Frequency ²	Method
A2 – A3	PM and PM ₁₀	mg/m ³ g/s	Stack test (Minimum 60 minutes)	Annually	USEPA Method 5, USEPA Method 17 or USEPA Method 201A
	Sulfur dioxide		Stack test (Minimum 30 minutes)		USEPA Method 6 or 6C
	NO _x				USEPA Method 7E
	Carbon monoxide				USEPA Method 10

Note 1: All units are referenced to STP dry.

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

Figure 1. Table 3.2.1 in 2014 version of licence L6341/1988/10

In 2015, an update of the licence saw the format of the Monitoring of point source emissions to air table change. This now specified that method 201A be used for PM10 measurement. See figure 2. The significance of this change was not recognized by Simcoa or the regulator at the time.

Table 3.2.1: Monitoring of point source emissions to air

Emission point reference	Parameter	Units ¹	Averaging period	Frequency ²	Method	
A2 – A3	Volumetric flow rate	m ³ /s	As per method	Annually	USEPA Method 2	
	PM	mg/m ³ g/s	Stack test (Minimum 60 minutes)		USEPA Method 5	
	PM ₁₀				USEPA Method 201A	
	Sulfur dioxide				Stack test (Minimum 30 minutes)	USEPA Method 6 or 6C
	NO _x					USEPA Method 7E
	Carbon monoxide					USEPA Method 10

Note 1: All units are referenced to STP dry.

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

Figure 2 Table 3.2.1 in 2015 version of licence L6341/1988/10

This method substitution is necessary as the Retort stack temperatures are too high to allow Method 201A equipment to be utilized without damaging it, and the F3 baghouse emissions are too low to achieve an accurate quantification of PM10 levels.

Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

There were no adverse effects as a result of this non compliance.

The regulator was informed of the need for the methodology substitution, and the change of method was noted in subsequent AERs.

In late 2019, an application was lodged by Simcoa with DWER to have the methodology for PM10 changed in the licence from Method 201A to Method 5. This application was still being processed as of March 2020.

Was this non-compliance previously reported to DWER?

Yes, and

Reported to DWER verbally

Date: / /



Section E – Details of non-compliance with licence condition

<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 14 / 03 / 2018
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Section F – Declaration

I declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular¹.

I consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.

Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	Vice President, Site Services and Marketing	Position:	
Date:	23/3/2020	Date:	
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.