

APPENDIX B

In October 2016, the EPA amended Statement 813 in response to a 45c application from Simcoa. This resulted in the removal of Schedule 1 from statement 813, and its replacement with an amended Attachment 1.

The most notable changes resulting from this change are as follows:

- Remove depth of pit to mine below the water table;
- Increase the groundwater requirements at Moora from 80,000 kilolitres per annum to 250,000 kilolitres per annum;
- Include water discharge via Kiaka Creek to the Conderoo River wetlands;
- Administrative changes to remove key characteristics which are not environmentally significant or regulated by other authorities.

These changes are shown in **bold** in the below table, which details the comparison between the authorised extent of physical and operational elements, and most recently reported data.

Authorised extent of physical and operational elements

Element	Authorised Extent	Actual Extent	Data Source
Silicon Production	64,000 tonnes per annum (approximately)	49,575 tonnes	AER 2015
Quartzite Consumption	160,000 tonnes per annum (approximately)	128,831 tonnes	AER 2015
Wood for Charcoal	110,000 tonnes per annum (approximately)	108,710 tonnes	AER 2015
Charcoal Production	27,000 tonnes per annum (approximately)	24,727 tonnes	AER 2015
Smelter Furnaces	4 submerged electric arc furnaces	3 submerged electric arc furnaces	Direct observation
Greenhouse Gas Emissions: Scope 1 (emissions from processing) Scope 2 (emissions generated off-site by electricity generation)	Deleted as regulated through other legislative processes.		

Electric Power Consumption	Deleted as not an environmentally significant key characteristic.		
Natural Gas Consumption	Deleted as not an environmentally significant key characteristic.		
Water Consumption (Groundwater)	290,000 kL per annum (Kemerton)	246,499 kL	Kemerton Silicon Smelter Annual Groundwater Review 2015/16
Truck Movements	Deleted as not an environmentally significant key characteristic.		
Quartzite Production	160,000 tonnes per annum of lump quartz (approximately)	129,285 tonnes	AER 2015 (Moora)
Operational life	Deleted as not an environmentally significant key characteristic.		
Total area of disturbance	Not more than 60 hectares (Moora Mine)	46.0 hectares	AER 2015 (Moora)
Area of rehabilitation	All disturbed areas (Moora Mine)	All areas disturbed by mining activities areas are subject to rehabilitation which is outlined in the rehabilitation schedule	NA
Depth of pit	Not more than 165 metres RL	215 metres RL	AER 2015 (Moora)
Water requirements (Groundwater)	250,000 kilolitres per annum (Moora mine)	49,411 kL	AER 2015 (Moora)
Water source	Fractured Rock Aquifer (Moora Mine)	Fractured Rock Aquifer	AER 2015 (Moora)
Water Discharge	Discharge of up to 122,000 kL per annum	0 kL (Dewatering yet to be undertaken)	NA

	of dewatered groundwater via Kiaka Creek to the Conderoo River wetlands. (Moora Mine)		
Dewater discharge pipeline (Moora mine)	Dewater discharge pipeline routed along an existing access road. (Moora Mine)	NA (Dewatering yet to be undertaken)	NA

Please note: The quantities specified in the above table are based on a 4 furnace operation. At the time of the 2015 AER, the plant had 3 operating furnaces. The 3rd furnace was commissioned in September 2012.