

10 APPENDIX

Appendix A

Table 12: Shareholding and tenure of reported coal resources and reserves

Complex	Name of right	Type	Status	% attributable to Exxaro	Expiry date	Remainder attributable to	
Arnot	Arnot (UG and OC)	Arnot (325MR)	mining right	executed	100	05 Dec 2039	
Matla	Matla (UG)	Matla (327MR)	mining right	executed	100	05 Mar 2025	
Leeuwpan	Leeuwpan (OC)	Leeuwpan (157MR)	mining right	executed	100	23 Mar 2040	
		Leeuwpan Extension (171MR)	mining right	registered	100	23 Mar 2040	
Mafube	Mafube (OC)	Mafube (172MR)	mining right	registered	50	30 Jul 2030	Anglo American Coal Proprietary Limited
		Nooitgedacht (10026MR)	mining right	registered	50	13 Nov 2043	Anglo American Coal Proprietary Limited
North Block Complex (NBC)	Glisa (OC)	Glisa (326MR)	mining right	executed	100	12 May 2039	
	Strathrae (OC)	Strathrae (328MR)	mining right	granted	100		
	Eerstelingsfontein (OC)	Eerstelingsfontein (10068MR)	mining right	renewal submitted	100	06 Nov 2013	
	Paardeplaats (OC)	Glisa South/ Paardeplaats (190PR)	prospecting right	renewal submitted – MR application submitted	100	29 Oct 2011	
		Glisa South Ptn 13/ Paardeplaats (1734PR)	prospecting right	renewal submitted – MR application submitted	100	18 Jun 2010	
	Belfast (OC)	Paardeplaats (10090MR) Belfast (431MR)	mining right mining right	new application registered	100 100	10 Aug 2043	
Grootegeluk	Grootegeluk (OC)	Grootegeluk (46MR)	mining right	registered	100	29 Mar 2041	
Waterberg prospecting	Thabametsi (UG and OC)	Grootegeluk West (10766PR)	prospecting right	renewal submitted – MR application submitted	100	24 Apr 2012	
	Zonderwater (UG)	Thabametsi (10013MR)	mining right	registered	100	29 Jun 2046	
		Zonderwater (1106PR)	prospecting right	registered	100	25 Feb 2017	
	Waterberg North (OC)	Pentoville (10719PR)	prospecting right	renewal submitted	100	20 Feb 2012	
	Waterberg South (OC)	Dartmore (10720PR)	prospecting right	renewal granted	100	20 Feb 2012	
Carolina (10718PR)		prospecting right	renewal submitted	100	20 Feb 2012		
Tshikondeni	Tshikondeni (UG and OC)	Swelpan (10721PR)	prospecting right	renewal submitted	100	20 Feb 2012	
		Tshikondeni (54MR)	mining right	granted	100		
Australian region	Moranbah South (UG & OC)	Goni (34MR)	mining right	registered	100	31 Mar 2039	
		MDL277 and 377	mineral development licences	submitted	50	31 Jul 2018 and 30 Sept 2018	Anglo American Coal Proprietary Limited
	Dorstfontein (OC and UG)	Dorstfontein West + Vlakfontein (119MRC)	mining right	registered	74	06 Dec 2042	Mmakau Mining Proprietary Limited
		Dorstfontein West (123MRC)	mining right	registered	74	06 Dec 2042	Mmakau Mining Proprietary Limited
		Dorstfontein East (51MR)	mining right	registered	74	12 May 2036	Mmakau Mining Proprietary Limited
	Rietkuil Vhakoni (1916PR)	prospecting right	registered	74	07 Oct 2015	Mmakau Mining Proprietary Limited	

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Table 12: Shareholding and tenure of reported coal resources and reserves (continued)

Complex	Name of right	Type	Status	% attributable to Exxaro	Expiry date	Remainder attributable to	
Exxaro Coal Central (ECC)	Forzando South (380MR)	mining right	executed	74	27 Jun 2029	Mmakau Coal Proprietary Limited	
	Forzando North (381MR)	mining right	registered	74	27 Jun 2029	Mmakau Coal Proprietary Limited	
	Forzando West (380MR)	mining right	registered	74	30 Jul 2018	Mmakau Coal Proprietary Limited	
	Legdaar (1846PR)	prospecting right	renewal submitted	74	04 May 2015	Mmakau Mining Proprietary Limited	
	Kalabasfontein (1035PR)	prospecting right	registered	74	31 Jul 2018	Mmakau Coal Proprietary Limited	
	Kalabasfontein (1170PR)	prospecting right	registered	74	31 Jul 2018	Mmakau Coal Proprietary Limited	
	Schurvekop Ptn 24 (4627PR)	prospecting right	granted	74	31 Sept 2020	Mmakau Coal Proprietary Limited	
Exxaro Coal Central (ECC)	Schurvekop (1063PR) Mmakau Coal	prospecting right	MR application submitted	49	27 Nov 2016 21 Nov 2016	Mmakau Mining Proprietary Limited	
	Eloff South (274PR)	prospecting right	registered	51	18 Mar 2017	South 32 and Canyon Springs	
Exxaro Coal Central (ECC)	Eloff North (273PR)	prospecting right	registered	51	18 Mar 2017	South 32 and Canyon Springs	
	Exxaro Coal Central (ECC)	Tumelo (UG)	Boschmanskop (116MR)	mining right	renewal submitted	49	12 Oct 2015

Table 13: Shareholding and tenure of reported mineral sands and base metals resources and reserves

Commodity	Name of right	Type	Status	% attributable to Exxaro	Expiry date	Remainder attributable to
Mineral sands	Hillendale Mine + Braeburn + Braeburn Extension	converted right	executed	58,55%	closed	Tronox
	Block P	converted right	executed	58,55%	24 Mar 2035	Tronox
	Fairbreeze A+B+C+D	converted right	executed	58,55%	24 Mar 2035	Tronox
	Fairbreeze C Extension	converted right	executed	58,55%	04 Aug 2039	Tronox
	Port Durnford project	converted right	executed	58,55%	06 Mar 2018	Tronox
	Namakwa Sands mine	converted right	executed	58,55%	17 Aug 2038	Tronox
	Namakwa satellite deposits (Houtkraal and Rietfontein)	prospecting right	MR application submitted	58,55%	29 Mar 2046	Tronox
	Cooljarloo	mining licence	executed	43,98%	31 Jan 2020	Tronox
	Jurien	mining licence	executed	43,98%	12 Nov 2031	Tronox
	Dongara	mining licence	executed	43,98%	30 Mar 2029	Tronox
	Cooljarloo west	mining licence	executed	43,98%	17 Mar 2036	Tronox
Cooljarloo North-west project	retention licence	executed	43,98%	07 Jul 2019	Tronox	
Base metals	Deeps and Swartberg (zinc, lead, copper and silver)	converted right	executed	26%	30 Sept 2038	Vedanta Resources plc
	Gamsberg North and Gamsberg East prospecting (zinc)	converted right	executed	26%	18 Aug 2038	Vedanta Resources plc

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Table 14: 2016 competent persons' register

Operation/ project	Mineral resources				Ore reserves			
	Name	Relevant experience (years)	Job title	Registration	Name	Relevant experience (years)	Job title	Registration
Lead CP, Exxaro	JH Lingenfelder	21	Group manager geosciences	SACNASP (400038/11)	C Ballot	20	Group manager mining	ECSA (20060040)
Arnot mine	JH Lingenfelder	21	Group manager geosciences	SACNASP (400038/11)	n/a			
Belfast project	G Gcayi	9	Resident geologist, NBC	SACNASP (400299/11)	PDM Lourens	11	Principal mining engineer	SAIMM (702550)
Glisa South project	G Gcayi	9	Resident geologist, NBC	SACNASP (400299/11)	n/a			
Grootegeeluk coal mine	CW van Heerden	14	Resident geologist, Grootegeeluk	SACNASP (400069/04)	R van Staden	14	Manager mining operations	ECSA (20050123)
Leeuwpán coal mine	M Steenkamp	6	Resident geologist, Leeuwpán	SACNASP (400173/13)	H Motsotsoana	8	Senior engineer, Leeuwpán	ECSA (201110036)
Matla	TF Moabi	11	Senior geologist	SACNASP (400067/08)	B Young	20	Planning and optimisation manager	PLATO, PMS (0182)
NBC	G Gcayi	9	Resident geologist, NBC	SACNASP (400299/11)	Ettienne Bergh	17	Planning and optimisation manager	SAIMM (705991)
Thabametsi project	JH Lingenfelder	21	Group manager geosciences	SACNASP (400038/11)	C Ballot	20	Group manager mining	ECSA (20060040)
Dorstfontein, Forzando, Eloff, Tumelo	G Bittah	9	Manager geology, ECC	SACNASP (400217/12)	Gunn Ndebele	25	MRM manager, ECC	SACNASP (400107/10)
Waterberg North project	JH Lingenfelder	21	Group manager geosciences	SACNASP (400038/11)	n/a			
Waterberg South project	JH Lingenfelder	21	Group manager geosciences	SACNASP (400038/11)	n/a			
Mafube (Nooitgedacht and Wildfontein)	D Xaba	17	Geology manager, Anglo Coal	SACNASP (400019/05)	D Xaba	17	Geology manager, Anglo Coal	SACNASP (400019/05)
Mafube mine (Springboklaagte)	D Xaba	17	Geology manager, Anglo Coal	SACNASP (400019/05)	D Xaba	17	Geology manager, Anglo Coal	SACNASP (400019/05)

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Table 14: 2016 competent persons' register (continued)

Operation/ project	Mineral resources				Ore reserves			
	Name	Relevant experience (years)	Job title	Registration	Name	Relevant experience (years)	Job title	Registration
Moranbah South, Australia	AJ Laws	21	Specialist resource geologist, Anglo American Coal	AusIMM (209913)				
Hillendale mine, Extension	D Sibiya	21	Geologist, Tronox	SACNASP (400294/06)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Fairbreeze A+B+C+C Extension	D Sibiya	21	Geologist, Tronox	SACNASP (400294/06)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Block P and Block extension	D Sibiya	21	Geologist, Tronox	SACNASP (400294/06)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Port Dunford	D Sibiya	21	Geologist, Tronox	SACNASP (400294/06)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Fairbreeze D	D Sibiya	21	Geologist, Tronox	SACNASP (400294/06)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Namakwa Sands	C van Vuuren	14	Geologist, Tronox	SACNASP (400111/96)	C Philander	20	Manager, Tronox	SACNASP (400181/15)
Cooljarloo, Australia	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)
Jurien, Australia	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)
Dongara, Australia	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)	P Stevenson	31	Manager resource development, Tronox	AusIMM (107759)
Black Mountain	S Jenniker	17	Mineral resources manager, Vedanta	SACNASP (400129/08)	S Jenniker	17	Mineral resources manager, Vedanta	SACNASP (400129/08)
Gamsberg	S Jenniker	17	Mineral resources manager, Vedanta	SACNASP (400129/08)	S Jenniker	17	Mineral resources manager, Vedanta	SACNASP (400129/08)

* All competent persons are Exxaro employees except where otherwise stated

Table 15: Coal production figures (kilotonnes)

Operation	Product	2015	2016	FC 2017*	FC 2018**
Grootegeeluk	Thermal coal	21 637	20 616	26 028	26 995
Grootegeeluk	Metallurgical coal	1 856	1 985	2 451	2 458
Matla	Thermal coal	7 859	7 900	8 530	8 135
ECC*	Thermal coal	1 365	3 904	4 050	4 026
Leeuwpn	Thermal coal	3 786	3 774	3 806	4 094
NBC	Thermal coal	2 870	2 857	3 127	627
Mafube	Thermal coal	1 147	1 760	1 676	940
Arnot	Thermal coal	1 401			
Inyanda	Thermal coal	1 035			

* Included for four months in 2015

** Forecast