



Appendix F – Australian non-energy minerals processing facilities commissioned, 1993-1999

Project	Company	Location	Startup	New capacity	Capital expend
Alumina					
Wagerup expansion	Alcoa World Alumina	Darling Ranges, WA	1993	900 kt	na
Gladstone expansion	Comalco	Gladstone, Qld	1997	300 kt	na
Worsley expansion	Worsley Alumina	Darling Ranges, WA	1997	150 kt	\$80m
Wagerup expansion	Alcoa World Alumina	Darling Ranges, WA	1999	440 kt	\$258m
Aluminium					
Tomago expansion	Tomago Smelters	Hunter Valley, NSW	1993	140 kt	\$600m
Bell Bay expansion	Comalco	Bell Bay, Tas	1994	18 kt	na
Boyne Island expansion	Comalco	Gladstone, Qld	1998	230 kt	\$1 billion
Tomago expansion	Tomago Smelters	Hunter Valley, NSW	1999	40 kt	\$160m

Project	Company	Location	Startup	New capacity	Capital expend
Copper					
Mount Isa copper smelter expansion	MIM	Mount Isa, Qld	late 1998	75 kt Cu anode	\$285m
Townsville refinery expansion	MIM	Townsville, Qld	late 1998	45 kt Cu cathode	\$50m
Olympic Dam expansion	WMC	Roxby Downs, SA	late 1998	115 kt Cu 3 kt U ₃ O ₈ 45 000 oz Au 450 000 oz Ag	\$1.9b
Mt Gordon expansion	Western Metals	Mt Isa, Qld	mid 1998	37 kt Cu	\$125m
Nifty SX-EW	Straits Resources	Nullagine, WA	late 1993	17 kt Cu	na
Cloncurry SX-EW	Cloncurry Mining	Cloncurry, Qld	early 1996	6 kt Cu	\$11m
Girilambone SX-EW	Straits Resources	Nyngan, NSW	mid 1993	17 kt Cu	na
Mt Cuthbert SX-EW	Murchison/ Brancote	Cloncurry, Qld	late 1996	5.5 kt Cu	na
Iron and steel					
Blast furnace upgrade	BHP	Port Kembla, NSW	1996	2.6 Mt	\$400m
HBI plant	BHP	Port Hedland, WA	1999	2.5 Mt	\$2.5b
Tinplate expansion	BHP	Port Kembla, NSW	1999	150 kt steel	\$304m
Billet caster	BHP	Whyalla, SA	1999	300 kt	\$70m
Hot Strip mill expansion rolling mill upgrade	BHP	Western Port, Vic	1999	na	\$100m
Wire mill upgrade	BHP	Newcastle, NSW	1999	na	\$44m
Lead					
Port Pirie refinery upgrade	Pasminco	Port Pirie, SA	1998	35 kt Pb	\$30m
Mineral sands					
TiO ₂ pigment plant expansion	Tiwest JV	Kwinnana, WA	1996	83 kt TiO ₂	na
TiO ₂ pigment plant	Millenium Inorganic Chemicals	Kemerton, WA	1996	79 kt TiO ₂	na

Project	Company	Location	Startup	New capacity	Capital expend
Synthetic rutile plant expansion	Tiwest JV	Chandala, WA	1996	183 kt SR	na
Synthetic rutile plant expansion	Iluka	Capel, WA	1996	250 kt SR	na
Nickel					
Acid plant	WMC	Kalgoorlie, WA	1996	500kt sulphuric acid	\$146m
Bulong	Preston Resources	Kalgoorlie, WA	1999	9kt Ni	\$242m
Cawse	Centaur Mining	Kalgoorlie, WA	1999	9kt Ni	\$274m
Murrin Murrin	Anaconda Nickel	Leonora, WA	1999	45kt Ni	\$1b
Zinc					
Townsville zinc refinery	Sun Metals (Korea Zinc)	Townsville, Qld	late 1999	170 kt Zn 325 kt sulphuric acid	US\$425m

Source ABARE, submission no. 42, pp. 18-19.