

<b>Flash Flotation Cell</b>	<b>Equipment No 52 - FT - 801</b>
Make	Outotec
Model	SK 500 skim air flotation cell
Barrel	SK-500
Stator	S.F.S. 0500.FF.SB.WI SK-500
Rotor	S.F.R.0500.PU SK-500
Pinch Valve top outlet	125/100mm
Pinch Valve discharge	280/180mm
Cell Dimensions	4100 dia x 6750 high 6mm mild steel
Pulley Size	1500 x 8 SPB
Taperlock Bush	5050 x 120
V-Belts	8 x SPB 6700
Rotor Speed	130 rpm
<b>Motor</b>	
Make	Teco
kW	75
Volts	415
FLC	128
Frame	D280M
Poles	6
RPM	940
DE Bearing	NU318
NDE Bearing	6316 C3
Pulley Size	200 x 8 SPB
Taperlock Bush	3535 x 80

<b>Flash Cleaner Cell</b>	<b>Equipment No 52 - FT - 802</b>
Make	Outotec
Model	OK 6.5 TC
Barrel	OK 6.5 TC
Stator	Moulded polyurethane
Rotor	Moulded polyurethane
Pinch Valve	100 NS
Cell Dimensions	2600 dia x 3800 high 6mm mild steel
Pulley Size	630 x 3 SPA
Taperlock Bush	3020 x 60
V-Belts	3 x SPA 3250
Rotor Speed	116 rpm
<b>Motor</b>	
Make	Teco
kW	11
Volts	415
FLC	20
Frame	D160M
Poles	6
RPM	960
DE Bearing	6309
NDE Bearing	6307
Pulley Size	132 x 3 SPA
Taperlock Bush	2012 x 42

<b>Scavenger Flotation Tank Cells</b>	<b>Equipment No 53 - FT - 803/806</b>
Make	Outotec
Model	OK 100 TC
Barrel	OK 100 TC
Stator	Moulded polyurethane
Rotor	Moulded polyurethane
Pinch Valve	300 NS
Cell Dimensions	6000 dia x 7150 high 6mm mild steel
Pulley Size	1800 x 12 SPC
Taperlock Bush	W QD HUB
V-Belts	12 x 7800 SPC
Rotor Speed	120 rpm
<b>Motor</b>	
Make	Teco
kW	150
Volts	415
FLC	255
Frame	D318CC
Poles	10
RPM	690
DE Bearing	NU326 C3
NDE Bearing	6320 C3 V
Pulley Size	315 x 12 SPC
Taperlock Bush	5050 x

<b>Cleaner Flotation Cells</b>	<b>Equipment No 53 - FT - 807/809</b>
Make	Outotec
Model	OK 16
Barrel	OK 16
Stator	Moulded polyurethane
Rotor	Moulded polyurethane
Pinch Valve	250 NS
Cell Dimensions	2850 width x 9600 length x 4300 high (3 cells)
Pulley Size	1000 x 4 SPB
Taperlock Bush	MAV 2005 locking device - 100 x 145
V-Belts	4 x 4250 SPB
Rotor Speed	117 rpm
<b>Motor</b>	
Make	Teco
kW	30
Volts	415
FLC	52
Frame	D225M
Poles	6
RPM	980
DE Bearing	6313
NDE Bearing	6213
Pulley Size	4 x 170 SPB
Taperlock Bush	2517 x 60

<b>Recleaner Flotation Cells</b>	<b>Equipment No 53 - FT - 813/815</b>
Make	Outotec
Model	OK 8
Barrel	OK 8
Stator	Moulded polyurethane
Rotor	Moulded polyurethane
Pinch Valve	150 NS
Cell Dimensions	2650 wide x 7800 long x 3300 high (3 cells)
Pulley Size	1000 x 3 SPB
Taperlock Bush	MAV 2005 locking device 95 x 135
V-Belts	3 x 4250 SPB
Rotor Speed	186 rpm
<b>Motor</b>	
Make	Teco
kW	30
Volts	415
FLC	52
Frame	D225M
Poles	6
RPM	980
DE Bearing	6313
NDE Bearing	6213
Pulley Size	3 x 190 SPB
Taperlock Bush	2517 x 60

<b>Cleaner/Scavenger Flotation Cells</b>	<b>Equipment No 53 - FT - 810/812</b>
Make	Outotec
Model	OK 16
Barrel	OK 16
Stator	Moulded polyurethane
Rotor	Moulded polyurethane
Pinch Valve	200 NS
Cell Dimensions	2850 wide x 9600 long x 4300 high(3 cells)
Pulley Size	1000 x 4 SPB
Taperlock Bush	MAV 2005 locking device - 100 x 145
V-Belts	4 x 4250 SPB
Rotor Speed	166 rpm
<b>Motor</b>	
Make	Teco
kW	22
Volts	415
FLC	39
Frame	D200M
Poles	6
RPM	980
DE Bearing	6312
NDE Bearing	6312
Pulley Size	4 x 170 SPB
Taperlock Bush	2517 x 60

<b>Thickener</b>	<b>Equipment No 54 - TH - 801</b>
Make	Outotec
Model	8.0m Dia High rate Supaflo Thickener
Tank Wall Height	2000mm
Rake Lift	300mm
Rake Blades	2 x sets
Rake Speed	0.318 rpm
Normal Operating Torque	5.75 kNm
Rake Drive Trip	21.8 kNm
Feedwell	1200mm dia
<b>Rake Drive Motor</b>	
Make	Teco
kW	1.1
Volts	415
FLC	2.6
Poles	6
RPM	960
Frame	B5 flange mount
<b>Gearbox</b>	
Make	Bonfiglioli
Model	307 L5 2383 HZ P112 vertical

<b>Larox Filter</b>	<b>Equipment No 54 - FL - 801</b>
Make	Larox
Model	CC - 30 - 40
Rows	10
Plates in row	12
	Refer to manual for all other information

<b>Flash Flotation Con Pump</b>	<b>Equipment No 52 - PP - 803/804</b>
Make	Warman

Model	3C - AHF
Horizontal/Vertical	Horizontal
Bearing Assembly	CAM005M
Pump Diagram Number	135030
Bearing Assembly Diagram	106009
Pump Speed	1320
Base Frame	C268
Column Length	N/A
Pump Pulley	200 x 2 SPB
Pump Taperlock	2012 x 42
V - Belts	2 x 1600 SPB
<b>Motor</b>	
Make	Teco
kW	22
Volts	415
FLC	39
Poles	4
RPM	1480
Frame	D180L
DE Bearing	6311
NDE Bearing	6310
Motor Pulley	224 x 2 SPB
Motor Taperlock	2517 x 48
VSD Controlled	Yes

<b>Stage 1 Final Flotation Tailings Pump</b>	<b>Equipment No 53 - PP - 813/814</b>
Make	Warman
Model	8/6 F - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	F005M
Pump Diagram Number	104143
Bearing Assembly Diagram	104759
Pump Speed	529
Base Frame	F - ZV
Column Length	N/A
Pump Pulley	560 x 4 SPC
Pump Taperlock	4040 x 100
V - Belts	4 x 2800 SPC
<b>Motor</b>	
Make	GEC
kW	150
Volts	415
FLC	255
Poles	4
RPM	1470
Frame	D315M
DE Bearing	NU 318
NDE Bearing	6317
Motor Pulley	200 x 4 SPC
Motor Taperlock	3535 x 85
VSD Controlled	No

Stage 2 Final Flotation Tailings Pump	Equipment No 53 - PP - 815/816
Make	Warman
Model	8/6 F - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	F005M
Pump Diagram Number	104143
Bearing Assembly Diagram	104759
Pump Speed	529
Base Frame	F - ZV
Column Length	N/A
Pump Pulley	560 x 4 SPC
Pump Taperlock	4040 x 100
V - Belts	4 x 2800 SPC
<b>Motor</b>	
Make	GEC
kW	150
Volts	415
FLC	255
Poles	4
RPM	1470
Frame	D315M
DE Bearing	NU 318
NDE Bearing	6317
Motor Pulley	400 x 4 SPC
Motor Taperlock	3535 x 85
VSD Controlled	Yes

Final Flotation Tails Sample Pump	Equipment No 53 - PP - 880
Make	Warman
Model	2/1.5 B - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	B005M
Pump Diagram Number	104976
Bearing Assembly Diagram	104891
Pump Speed	1787
Base Frame	B268
Column Length	N/A
Pump Pulley	125 x 2 SPB
Pump Taperlock	2012 x 28
V - Belts	2 x 1250 SPB
<b>Motor</b>	
Make	Teco
kW	5.5
Volts	415
FLC	10
Poles	4
RPM	1475
Frame	D132S
DE Bearing	6308zz
NDE Bearing	6306zz
Motor Pulley	150 x 2 SPB
Motor Taperlock	2012 x 38
VSD Controlled	No

Concentrate Thickener Underflow Pump	Equipment No 54 - PP - 818
Make	Verderflex
Model	65
Serial No	5127366
<b>Gearbox</b>	
Make	SEW
Type	AF107 DV13254
Model	20.01107215.02.0001.07
Ratio	27.58
<b>Motor</b>	
Make	SEW
kW	11
Volts	415
FLC	20
Poles	4
RPM	1475
Frame	DVE160H4
DE Bearing	N/A
NDE Bearing	N/A
Serial No	24 - 08588 - 2007 - 01

<b>Concentrate Thickener Overflow Pump</b>	<b>Equipment No 54 - PP - 821</b>
Make	Warman
Model	4/3 C - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	CAM005M
Pump Diagram Number	104978
Bearing Assembly Diagram	106009
Pump Speed	1746
Base Frame	C268
Column Length	N/A
Pump Pulley	170 x 3 SPB
Pump Taperlock	2517 x 42
V - Belts	3 x 1600 SPB
<b>Motor</b>	
Make	Teco
kW	15
Volts	415
FLC	26
Poles	4
RPM	1470
Frame	D160M
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	200 x 3 SPB
Motor Taperlock	2517 x 42
VSD Controlled	Yes

<b>Combined Concentrate Sample Pump</b>	<b>Equipment No 54 - PP - 882</b>
Make	Warman
Model	2/1.5 B - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	B005M
Pump Diagram Number	104976
Bearing Assembly Diagram	104891
Pump Speed	1586
Base Frame	B268
Column Length	N/A
Pump Pulley	140 x 3 SPA
Pump Taperlock	2517 x 28
V - Belts	3 x 1250 SPA
<b>Motor</b>	
Make	Weg
kW	5.5
Volts	415
FLC	10
Poles	4
RPM	1470
Frame	D132S
DE Bearing	6308zz
NDE Bearing	6207zz
Motor Pulley	150 x 3 SPA
Motor Taperlock	2517 x 38
VSD Controlled	No

<b>Lime Delivery Pump</b>	<b>Equipment No 55 - PP - 837</b>
Make	Warman
Model	1.5/1 B - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	B005M
Pump Diagram Number	104890
Bearing Assembly Diagram	104891
Pump Speed	2183
Base Frame	B268
Column Length	N/A
Pump Pulley	80 x 3 SPA
Pump Taperlock	1210 x 28
V - Belts	3 x 1120 SPA
<b>Motor</b>	
Make	Weg
kW	5.5
Volts	415
FLC	10
Poles	4
RPM	1470
Frame	D132S
DE Bearing	6308zz
NDE Bearing	6207zz
Motor Pulley	118 x 3 SPA
Motor Taperlock	2012 x 38
VSD Controlled	No

<b>Process Water Pump</b>	<b>Equipment No 56 - PP - 842/843</b>
Make	Warman
Model	8/6 F - AH
Horizontal/Vertical	Horizontal
Bearing Assembly	F005M
Pump Diagram Number	104143
Bearing Assembly Diagram	104759
Pump Speed	987
Base Frame	F - ZV
Column Length	N/A
Pump Pulley	450 x 8 SPC
Pump Taperlock	5050 x 108
V - Belts	8 x 2800 SPC
<b>Motor</b>	
Make	Toshiba
kW	185
Volts	415
FLC	315
Poles	4
RPM	1470
Frame	D315M
DE Bearing	NU 2224
NDE Bearing	6318
Motor Pulley	300 x 8 SPC
Motor Taperlock	4040 x 95
VSD Controlled	No

<b>Scavenger Concentrate Pump</b>	<b>Equipment No 53 - PP - 805</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	740
Column Depth	N - 2100
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	11
Volts	415
FLC	20
Poles	4
RPM	1480
Frame	D160L
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	200 x 3 SPB
Motor Taperlock	2517 x 42
VSD Controlled	Yes

<b>Cleaner Concentrate Pump</b>	<b>Equipment No 53 - PP - 807</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	703
Column Depth	J - 1500
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	11
Volts	415
FLC	20
Poles	4
RPM	1480
Frame	D160L
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	190 x 3 SPB
Motor Taperlock	2517 x 42
VSD Controlled	Yes

<b>Cleaner Scavenger Concentrate Pump</b>	<b>Equipment No 53 - PP - 808</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	703
Column Depth	J - 1500
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	11
Volts	415
FLC	20
Poles	4
RPM	1480
Frame	D160L
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	190 x 3 SPB
Motor Taperlock	2517 x 42
VSD Controlled	Yes

<b>Recleaner Concentrate Pump</b>	<b>Equipment No 53 - PP - 809</b>
Make	Warman
Model	65 VDH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121335
Pump Speed	1066
Column Depth	J - 1500
Pump Pulley	250 x 2 SPA
Pump Taperlock	2517 x 50
V - Belts	2 x 1400 SPA
<b>Motor</b>	
Make	Teco
kW	11
Volts	415
FLC	20
Poles	4
RPM	1480
Frame	D160L
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	180 x 2 SPA
Motor Taperlock	2012 x 42
VSD Controlled	Yes



<b>Cleaner Scavenger Tails Pump</b>	<b>Equipment No 53 - PP - 810</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	784
Column Depth	N - 2100
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	15
Volts	415
FLC	26
Poles	4
RPM	1480
Frame	D180L
DE Bearing	6309
NDE Bearing	6307
Motor Pulley	212 x 3 SPB
Motor Taperlock	2517 x 42
VSD Controlled	Yes

<b>Mill Area Sump Pump</b>	<b>Equipment No 53 - PP - 890</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	740
Column Depth	G - 1200
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	22
Volts	415
FLC	39
Poles	4
RPM	1480
Frame	D180L
DE Bearing	6311
NDE Bearing	6310
Motor Pulley	200 x 3 SPB
Motor Taperlock	2517 x 48
VSD Controlled	No

<b>Scavenger Flotation Area Sump Pump</b>	<b>Equipment No 53 - PP - 891</b>
Make	Warman
Model	100 VEH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121559
Pump Speed	740
Column Depth	N - 2100
Pump Pulley	400 x 3 SPB
Pump Taperlock	3535 x 80
V - Belts	3 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	22
Volts	415
FLC	39
Poles	4
RPM	1480
Frame	D180L
DE Bearing	6311
NDE Bearing	6310
Motor Pulley	200 x 3 SPB
Motor Taperlock	2517 x 48
VSD Controlled	No

<b>Tails Area Sump Pump</b>	<b>Equipment No 53 - PP - 892</b>
Make	Warman
Model	65 VDH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121335
Pump Speed	947
Column Depth	J - 1500
Pump Pulley	280 x 2 SPA
Pump Taperlock	2517 x 50
V - Belts	2 x 1400 SPA
<b>Motor</b>	
Make	Teco
kW	7.5
Volts	415
FLC	14
Poles	4
RPM	1480
Frame	D160M
DE Bearing	6308
NDE Bearing	6306
Motor Pulley	160 x 2 SPA
Motor Taperlock	2012 x 38
VSD Controlled	No

<b>Cleaner Flotation Area Sump Pump</b>	<b>Equipment No 53 - PP - 893</b>
Make	Warman
Model	65 VDH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121335
Pump Speed	1480
Column Depth	L - 1800
Pump Pulley	315 x 2 SPB
Pump Taperlock	2517 x 50
V - Belts	2 x 1800 SPB
<b>Motor</b>	
Make	Teco
kW	22
Volts	415
FLC	39
Poles	4
RPM	1480
Frame	D180L
DE Bearing	6311
NDE Bearing	6310
Motor Pulley	315 x 2 SPB
Motor Taperlock	2517 x 48
VSD Controlled	No

<b>Concentration Pad Sump Pump</b>	<b>Equipment No 54 - PP - 895</b>
Make	Warman
Model	65 VDH - GPS
Horizontal/Vertical	Vertical
Pump Diagram Number	121335
Pump Speed	1036
Column Depth	J - 1500
Pump Pulley	160 x 3 SPA
Pump Taperlock	2517 x 50
V - Belts	3 x 1120 SPA
<b>Motor</b>	
Make	Teco
kW	7.5
Volts	415
FLC	14
Poles	4
RPM	1480
Frame	D160M
DE Bearing	6308
NDE Bearing	6306
Motor Pulley	112 x 3 SPA
Motor Taperlock	2012 x 38
VSD Controlled	No

<b>Promoter Metering Pumps 1/2</b>	<b>Equipment No 55 - PP - 832/833</b>
Make	Seko
Model	D - Series DS1A065A 51
RPM	78 strokes/min
Spares	Kit
<b>Motor</b>	
Make	Aealza
kW	0.18
Volts	415
FLC	0.5
Poles	4
RPM	1360
Frame	D63
DE Bearing	6201zz
NDE Bearing	6201zz

<b>Flocculant Metering Pumps</b>	<b>Equipment No 55 - PP - 835/836</b>
Make	Seko
Model	K - Series KS2E064C 21
RPM	116 strokes/min
Spares	Kit
<b>Motor</b>	
Make	Teco
kW	0.75
Volts	415
FLC	2
Poles	4
RPM	1480
Frame	D80
DE Bearing	6204zz
NDE Bearing	6204zz

<b>Nitric Acid Metering Pump</b>	<b>Equipment No 55 - PP - 840</b>
Make	Dellmeco
Model	DM 25/125 TTF
RPM	N/A
Spares	Kit
<b>Motor</b>	
Make	As above air operated
kW	N/A
Volts	N/A
FLC	N/A
Poles	N/A
RPM	N/A
Frame	N/A
DE Bearing	N/A
NDE Bearing	N/A

<b>Frother Metering Pumps 1/2</b>	<b>Equipment No 55 - PP - 829/830</b>
Make	Seko
Model	DS 1 A065B 51
RPM	N/A
Spares	Kit
<b>Motor</b>	
Make	Cemp
kW	0.18
Volts	415
FLC	0.5
Poles	4
RPM	1340
Frame	D63
DE Bearing	6201zz
NDE Bearing	6201zz

<b>Gland Water Pump</b>	<b>Equipment No 56 - PP - 848/849</b>
Make	Southern Cross
Model	Southern Cross ISO - PRO 65 x 40 - 250
Coupling	Fenner Coupling F70 (32/48) c/w spacer SM25 - 100 (42)
<b>Motor</b>	
Make	Weg
kW	18.5
Volts	415
FLC	33
Poles	2
RPM	2950
Frame	160L
DE Bearing	6309 C3
NDE Bearing	6209 C3

<b>Gland Water Booster Pump</b>	<b>Equipment No 56 - PP - 850/851</b>
Make	Grundfos
Model	Vertical multistage CR5 - 13
<b>Motor</b>	
Make	Weg
kW	2.2
Volts	415
FLC	4
Poles	2
RPM	2875
Frame	90L
DE Bearing	6206zz
NDE Bearing	6204zz