



LIST OF CO-ORDINATES
60 YEAR ASH FACILITY SETTING OUT
(CO-ORD SYSTEM WGS LO 29)

SOP	Y	X	Z
1	9 728.345	2 870 292.800	**
2	9 690.415	2 870 283.070	**
3	9 558.932	2 870 476.440	**
4	9 462.762	2 870 712.220	**
5	7 000.985	2 871 253.130	**
6	7 422.610	2 872 553.980	**
7	8 577.151	2 874 194.760	**
8	9 935.180	2 874 135.220	**
9	10 189.870	2 870 945.500	**
10	9 947.701	2 870 978.780	**
11	9 809.554	2 870 635.620	**
12	9 767.913	2 870 468.150	**

LIST OF CO-ORDINATES
CONVEYOR SETTING OUT
(CO-ORD SYSTEM WGS LO 29)

SOP	Y	X	Z
13	9 425.283	2 868 888.170	**
14	9 934.162	2 869 399.710	**
15	10 310.670	2 869 767.020	**
16	10 375.737	2 869 832.087	**
17	10 192.560	2 871 023.810	**
18	7 144.018	2 871 485.080	**
19	9 650.525	2 870 504.380	**
20	9 645.347	2 870 912.430	**
21	7 338.056	2 871 343.910	**

- KEY**
- DELINEATED WETLAND
 - COAL RESERVES
 - AREA RESERVED FOR NORMAL TOPSOIL STORAGE
 - AREA RESERVED FOR WETLAND TOPSOIL STORAGE
 - ASH CONVEYOR ROUTE
 - TOP STACKER SHIFTABLE CONVEYOR POSITIONS
 - BOTTOM STACKER SHIFTABLE CONVEYOR POSITIONS

- LEGEND**
- ADF - ASH DISPOSAL FACILITY
- INFORMATION**
- STARTER PLATFORM VOLUME - 35 800 000m³
 - AREA - 120,5 ha
 - ASH FACILITY VOLUME - 499 000 000m³
 - AREA - 696,6 ha
 - TOTAL - 534 800 000m³
 - AREA - 817,1 ha
 - DEPOSITION RATE - 739 125 m³/MONTH/6UNITS
 - DENSITY - 800 KG/m³
 - LIFE - 60 YEARS
 - TOTAL HEIGHT-STARTER PLATFORM - 73,5m
 - ASH FACILITY - 123m

- MECHANICAL INFORMATION**
- OVERLAND CONVEYOR LENGTH - 1,250 m
 - EXTENDABLE CONVEYOR - TOP STACK
 - INITIAL LENGTH - 1,550 m
 - ADDITIONAL LENGTH - 2,906 m
 - BOTTOM STACK
 - INITIAL LENGTH - 1,260 m
 - ADDITIONAL LENGTH - 2,990 m
 - SHIFTABLE CONVEYOR - TOP STACK
 - LENGTH (RANGE) - 460 TO 2,347 m
 - NUMBER OF SHIFTS - 58
 - BOTTOM STACK
 - LENGTH (RANGE) - 686 TO 3,083 m
 - NUMBER OF SHIFTS - 59

- DRAWING LIST**
- D121-01-001 - LAYOUT OF FACILITY AT FULL DEVELOPMENT
 - D121-01-002 - LAYOUT OF 5 YEAR LINED AREA INCLUDING INFRASTRUCTURE
 - D121-01-003 - TYPICAL LONG SECTIONS & DETAILS
 - D121-01-004 - DETAILED LAYOUT OF 5 YEAR LINED AREA
 - D121-01-005 - LINER DETAILS
 - D121-01-006 - LEACHATE COLLECTION LAYOUT
 - D121-01-007 - PCD LAYOUT AND DETAILS
 - D121-01-008 - CLEAN STORMWATER MANAGEMENT LAYOUT
 - D121-01-009 - CAPPING LAYOUT
 - D121-01-010 - SITE OFFICE LAYOUT
 - D121-01-011 - FINAL REHABILITATION PLAN
 - D121-01-012 - 0 TO 30 YEAR DEVELOPMENT PLAN
 - D121-01-013 - 35 TO 60 YEAR DEVELOPMENT PLAN
 - D121-01-014 - DUST SUPPRESSION & IRRIGATION LAYOUT
 - D121-01-015 - KLIPFONTEIN RIVER DIVERSION, LAYOUT & DETAILS



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Pr. Eng. Approval	C.C.	
Signature		

Client: **ZITHOLE CONSULTING**

Project: **KUSILE POWER STATION
60 YEAR ASH FACILITY
EIA DETAILED CONCEPT DESIGN
LAYOUT OF FACILITY AT FULL DEVELOPMENT**

Scale	1 : 12 500	A1
Drawing No	D121-01-001	
Revision	D	

CO-ORD SYSTEM WGS LO 29

Rev.	Description	Name	Date	Approved
D	REVISED & ADDED STILLING BASINS, REVISED ACCESS ROADS, UPDATED TITLE BLOCK	R.McL.	26.03.14	C.C.
C	POWER STATION, ACCESS ROADS AND RIVER DIVERSION UPDATED	R.McL.	12.12.13	C.C.
B	ISSUED FOR INFORMATION	R.McL.	07.08.13	C.C.
A	ISSUED FOR DWA MEETING	R.McL.	09.07.13	C.C.

SEE DRAWING LIST

Reference Drawings

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