

390

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K-SHELL CORBSN ⁶⁰ 52A

TABLE 4

BULK SAMPLE
COAL QUALITY

TABLE 4

Bulk Sample Coal Quality Data Trench 1

Size consist as received basis

SIZE FRACTION	WT%	CUM.WT%
ROCK	0.40	0.40
+50mm		
COAL	8.40	8.80
-50mm	91.20	100.00

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+50mm rock discarded, +50mm coal reduced to -50mm and combined with original -50mm material.

Size and Raw Analysis, Air Dried Basis Trench 1

SIZE FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
50mm x 6mm	49.40	5.50	26.20	49.40	26.20
6mm x 2mm	20.30	6.30	22.30	69.70	25.06
2mm x 0	30.30	8.50	15.40	100.00	22.14

Float-Sink Analysis, Air Dried Basis: 50mm x 6mm Trench 1

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	0.10	1.20	3.00	0.10	3.00
1.35 - 1.45	26.00	2.60	5.30	26.10	5.29
1.45 - 1.50	17.20	1.90	8.20	43.30	6.45
1.50 - 1.60	20.40	1.40	16.10	63.70	9.54
1.60 - 1.80	15.00	1.30	36.70	78.70	14.72
1.80 - SINK	21.30	1.00	73.60	100.00	27.26

TABLE 4 (Continued)

Float-Sink Analysis, Air Dried Basis: 6mm x 2mm Trench 1

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	2.20	1.20	2.40	2.20	2.40
1.35 - 1.45	13.90	2.00	4.70	16.10	4.39
1.45 - 1.50	28.70	4.00	6.90	44.80	6.00
1.50 - 1.60	21.70	2.70	15.60	66.50	9.13
1.60 - 1.80	16.00	2.00	30.80	82.50	13.33
1.80 - SINK	17.50	1.20	69.80	100.00	23.21

Analysis of Composite Samples Trench 1

SZ FRACTION	SAMPLE TYPE	RM%	ASH%	VOL%	F.C.%	S%	CV	BASIS
							CAL/GM	
50mm x 6mm	FLOAT@1.50SG	2.40	6.30	23.30	68.00	0.21	6551	ADB
			6.45	23.87	69.67	0.22	6712	DB
6mm x 0	RAW COAL	7.40	18.60	21.90	52.10	0.21	5240	ADB
			20.09	23.65	56.26	0.23	5659	DB

TABLE 4 (Continued) TRENCH 2

Bulk Sample Coal Quality Data Trench 2

Size consist as received basis

SIZE FRACTION	WT%	CUM.WT%
ROCK	1.70	1.70
+50mm		
COAL	8.00	9.70
-50mm	90.30	100.00

+50mm rock discarded, +50mm coal reduced to -50mm and combined with original -50mm material.

Size and Raw Analysis, Air Dried Basis Trench 2

SIZE FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
50mm x 6mm	41.70	1.30	22.90	41.70	22.90
6mm x 2mm	23.30	1.50	17.60	65.00	21.00
2mm x 0	35.00	2.20	13.00	100.00	18.20

Float-Sink Analysis, Air Dried Basis: 50mm x 6mm Trench 2

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	32.90	0.70	3.80	32.90	3.80
1.35 - 1.45	31.30	0.60	11.00	64.20	7.31
1.45 - 1.50	6.20	0.50	20.10	70.40	8.44
1.50 - 1.60	6.90	0.50	28.10	77.30	10.19
1.60 - 1.80	6.70	0.50	39.70	84.00	12.55
1.80 - SINK	16.00	0.70	78.20	100.00	23.05

TABLE 4 (Continued) TRENCH 2

Float-Sink Analysis, Air Dried Basis: 6mm x 2mm Trench 2

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	36.80	1.00	3.10	36.80	3.10
1.35 - 1.40	32.60	1.00	9.20	69.40	5.97
1.40 - 1.50	7.20	0.90	18.00	76.60	7.10
1.50 - 1.60	7.00	0.90	25.40	83.60	8.63
1.60 - 1.80	5.80	0.80	38.50	89.40	10.57
1.80 - SINK	10.60	0.80	78.20	100.00	17.74

Analysis of Composite Samples Trench 2

SZ FRACTION	SAMPLE TYPE	RM%	ASH%	VOL%	F.C.%	S%	CV	BASIS
							CAL/GM	
50mm x 6mm	FLOAT@1.50SG	0.70	8.60	21.50	69.20	0.29	7645	ADB
			8.66	21.65	69.69	0.29	7688	DB
6mm x 0	RAW COAL	1.70	15.20	20.20	62.90	0.31	6880	ADB
			15.46	20.55	63.99	0.32	6999	DB

TABLE 4 (Continued) TRENCH 3

Bulk Sample Coal Quality Data Trench 3

Size consist as received basis

SIZE FRACTION	WT%	CUM.WT%
ROCK	0.10	0.10
+50mm		
COAL	2.60	3.70
-50mm	96.30	100.00

+50mm rock discarded, +50mm coal reduced to -50mm and combined with original -50mm material.

Size and Raw Analysis, Air Dried Basis Trench 3

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
50mm x 6mm	33.60	8.50	26.60	33.60	26.60
6mm x 2mm	21.80	9.10	22.20	55.40	24.87
2mm x 0	44.60	12.10	13.20	100.00	19.66

Float-Sink Analysis, Air Dried Basis: 50mm x 6mm Trench 3

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	0.10	1.50	2.40	0.10	2.40
1.35 - 1.40	31.20	4.50	5.60	31.30	5.59
1.40 - 1.50	19.00	4.20	8.50	50.30	6.69
1.50 - 1.60	18.30	3.30	15.30	68.60	8.89
1.60 - 1.80	6.60	1.60	32.70	75.20	11.07
1.80 - SINK	24.80	0.60	80.00	100.00	28.16

TABLE 4 (Continued) TRENCH 3

Float-Sink Analysis, Air Dried Basis: 6mm x 2mm Trench 3

S.G. FRACTION	WT%	RM%	ASH%	CUMULATIVE	
				WT%	ASH%
FLOAT - 1.35	0.40	2.30	2.50	0.40	2.50
1.35 - 1.40	16.80	2.00	3.60	17.20	3.57
1.40 - 1.50	28.90	5.10	6.90	46.10	5.66
1.50 - 1.60	25.20	3.10	12.90	71.30	8.22
1.60 - 1.80	10.80	2.90	29.60	82.10	11.03
1.80 - SINK	17.90	1.00	77.70	100.00	22.96

Analysis of Composite Samples: Trench 3

SZ FRACTION	SAMPLE TYPE	RM%	ASH%	VOL%	F.C.%	S%	CV	BASIS
							CAL/GM	
50mm x 6mm	FLOAT@1.50SG	4.40	6.60	25.10	63.90	0.21	6189	ADB
			6.90	26.26	66.84	0.22	6474	DB
6mm x 0	RAW COAL	10.80	16.30	24.10	48.80	0.20	4911	ADB
			18.37	27.92	54.71	0.22	5506	DB