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Mines Branch Information Circular IC 193

ANALYSES OF COAL AND COKE DURING 1966

by

W.J. Montgomery* and G.C. Behnke**

INTRODUCTION

The Solid Fuels Laboratory of the Fuels and Mining Practice Division is responsible for all analytical work on coal and coke encompassed by this publication, including that reported in the official "Analysis Directory of Canadian Coals" (which is published by the Mines Branch, but only at intervals of five or more years). This information circular, issued as the seventh of an annual series, tabulates the analyses of coal and coke samples analysed by the Division during 1966.[1]

It must be clearly understood that no responsibility is taken by the Division for the accuracy of the sampling procedures adopted for procuring the samples for which analyses are reported in this circular, excepting those taken by divisional officers.

Proximate analysis and sulphur values are reported on the "as received" basis only, whereas calorific values are reported on the "as received" as well as the "dry" basis. As an easy reference, the analyses are arranged by province and state.

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[1] There were no commercial samples of coke analysed during 1966.

GLOSSARY OF ABBREVIATED TERMS

C/S	Coarse Slack
DND	Department of National Defence
DVA	Department of Veterans Affairs
DPW	Department of Public Works
FMP	Fuels and Mining Practice Division
Justice	Department of Justice
DRB	Defence Research Board
D	Delivered
F/S	Fine Slack
N/S	Nut Slack
P/S	Prepared Stoker
Rd	Round Hole Screen
Sl	Slot
S	Special
Sq	Square Hole Screen
S/P	Stoker Pea
T	Tipple
W/S	Washed Slack

Direction des mines

Circulaire d'information IC 193

ANALYSES DE HOUILLE ET DE COKE EN 1966

par

W.J. Montgomery* et G.C. Behnke**

INTRODUCTION

Le Laboratoire des combustibles solides, à la Division des combustibles et du génie minier, s'occupe de tous les travaux analytiques sur la houille et le coke mentionnés par la présente publication, y inclus les travaux dont il est fait rapport dans la publication officielle de la Direction des mines intitulée: "Analysis Directory of Canadian Coals", qui paraît à intervalles de cinq ans ou plus. La présente circulaire d'information, la septième d'une série qui doit paraître annuellement, traite des analyses d'échantillons de houille et de coke analysés par la Division au cours de 1966.[1]

Il faut bien se rappeler que, sauf pour les échantillons prélevés par ses propres fonctionnaires, la Division n'assume aucune responsabilité en ce qui concerne les techniques d'échantillonage adoptées pour les analyses considérées dans la présente circulaire.

On indique les analyses quantitatives approximatives et les teneurs en soufre des échantillons "tels qu'ils nous sont parvenus", tandis qu'on mentionne les valeurs calorifiques des échantillons "tels qu'ils sont recus" et "à sec". Pour les fins de référence, les analyses sont classées par province et par état.

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* Chef du Laboratoire des combustibles solides, et ** technicien, Division des combustibles et du génie minier, Direction des mines, ministère de l'Énergie, des Mines et des Ressources, Ottawa, Canada.

[1] Aucun échantillon de coke commercial n'a été analysé par la Division en 1966.

GLOSSAIRE DES ABRÉVIATIONS

C/S	Grains
DND	Ministère de la Défense nationale
DVA	Ministère des Affaires des anciens combattants
DPW	Ministère des Travaux publics
FMP	Division des combustibles et du génie minier
Justice	Ministère de la Justice
DRB	Conseil des recherches de la Défense
D	Livré
F/S	Fines
N/S	Mixtes noisettes-fines
P/S	Braisettes sur commande
Rd	Tôles à trous ronds
Sl	Trou allongé
S	Spécial
Sq	Toiles à trous carrés
S/P	Braisettes
T	Criblage
W/S	Fines lavées

I. CANADIAN COALS
PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL

AREA Sydney Coal Field

OPERATOR Dosco Industries Limited
Old Sydney Collieries Division

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received						Dry	Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Calorific Value Btu/lb Gross	
2235-66	Egg + 1¾ rd	T	FMP	2.3	4.6	37.5	55.6	2.7	14400	14740	
3147-66	Egg + 1¾ rd	T	FMP	2.7	5.7	37.8	53.8	2.3	14100	14490	
3556-66	Egg + 1¾ rd	T	FMP	2.4	6.4	37.5	53.7	3.4	13950	14290	
2244-66	Screened + 1¾	T	FMP	1.7	3.5	36.3	58.5	3.2	14570	14820	
3139-66	Screened + 1¼ sq	T	FMP	1.2	5.4	36.3	57.1	2.6	14410	14590	
3142-66	Screened + 1¼ slot	T	FMP	1.6	4.6	36.1	57.7	2.1	14290	14530	
2240-66	Screened + 1¼ slot	T	FMP	3.8	6.4	37.8	52.0	3.3	13490	14030	
2002-66	Nut 2 x ½	D	DRB	2.7	8.0	40.9	48.4	3.8	13410	13780	
2149-66	Nut 2 x ½	D	DRB	2.2	7.4	42.1	48.3	3.8	13690	13990	
2351-66	Nut 2 x ½	D	DRB	3.0	9.7	39.7	47.6	3.8	13240	13650	
2236-66	Nut 1¾ x ¾ rd	T	FMP	2.9	4.6	35.4	57.1	2.3	14220	14650	
3148-66	Nut 1¾ x ¾ rd	T	FMP	1.9	5.2	38.8	54.1	3.4	14310	14590	
3464-66	Nut 1¾ x ¾	D	DND	1.1	5.5	37.1	56.3	2.3	14250	14410	488
3557-66	Nut 1¾ x ¾ rd	T	FMP	2.9	5.0	36.8	55.3	3.5	14000	14410	
3151-66	Pea ¾ rd x ¼ slot	T	FMP	3.0	4.7	37.5	54.8	2.9	14200	14650	
3559-66	Pea ¾ rd x ¼ slot	T	FMP	3.5	4.3	35.3	56.9	1.8	14110	14620	
2145-66	P/S 1¼ x ¼	D	DND	4.4	6.8	32.6	56.2	1.8	13540	14160	
2455-66	P/S ¾ x ¼	D	DND	0.9	5.4	36.3	57.4	1.8	14290	14420	163
2178-66	P/S	D	DVA	1.7	4.5	38.2	55.6	2.4	14450	14690	305
2426-66	P/S	D	DVA	1.5	5.5	37.6	55.4	2.7	14280	14490	534
2810-66	P/S	D	DVA	1.7	4.9	37.6	55.8	2.8	14410	14660	513
2287-66	P/S ¾ x 1/8	D	DND	2.5	4.6	38.0	54.9	2.5	14260	14630	493
3434-66	P/S	D	DVA	1.4	5.7	38.5	54.4	2.9	14260	14460	513
2237-66	P/S 1¾ x 0	T	FMP	3.4	5.6	37.2	53.8	2.6	13900	14390	
2341-66	P/S 1¾ x 0	D	DPW	2.6	5.7	38.6	53.1	3.9	14100	14470	
2242-66	1 sq x 3/8 slot	T	FMP	3.5	5.1	33.9	57.5	1.3	14070	14580	
3561-66	1 sq x 3/8 slot	T	FMP	2.1	4.9	34.5	58.5	2.0	14260	14560	
2238-66	S/P ¾ rd x ¼ slot	T	FMP	3.5	4.8	38.8	52.9	3.1	13970	14470	
2245-66	Slack 1¾ x 0	T	FMP	3.0	6.4	37.1	53.5	3.0	13750	14190	
2243-66	Slack 1½ x 0	T	FMP	2.5	9.6	35.9	52.0	3.8	13380	13730	
3141-66	Slack 1½ x 0 sq	T	FMP	2.8	9.2	35.1	52.9	3.4	13510	13890	
2241-66	Slack 1¼ x 0	T	FMP	1.9	5.3	34.7	58.1	1.4	14290	14570	
3149-66	C/S 1¾ rd x 0	T	FMP	2.5	6.6	36.7	54.2	1.9	14050	14410	
3558-66	C/S 1¾ rd x 0	T	FMP	4.7	16.4	31.2	47.7	2.6	11950	12540	
3150-66	W/S ¾ x 0	T	FMP	3.9	6.6	36.0	53.5	2.2	13660	14220	
2023-66	Slack 1¾ x 1/32	D	DND	6.1	7.9	34.3	51.7	3.3	12790	13630	868
2136-66	Slack 1¾ x 1/32	D	DND	3.7	10.7	33.7	51.9	2.7	12840	13340	875
2289-66	Slack 1¾ x 1/32	D	DND	4.1	9.7	34.5	51.7	2.8	13090	13650	1056

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS

AREA Sydney Coal Field BITUMINOUS COAL (CONT'D) OPERATOR Dosco Industries Limited
Old Sydney Collieries Division

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received						Dry	Tonnage Represented By Sample
				Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Calorific Value Btu/lb Gross	
2314-66	Slack 1¾ x 1/32	D	DND	4.2	8.8	34.0	53.0	2.5	13240	13820	685
2485-66	Slack 1¾ x 1/32	D	DND	3.3	7.0	33.0	56.7	2.0	13860	14330	1057
3140-66	Slack 1¼ x 0	T	FMP	1.8	6.8	35.0	56.4	2.4	14030	14300	
3143-66	Slack 1¼ x 0 slot	T	FMP	2.8	7.8	32.4	57.0	1.2	13700	14090	
2001-66	Slack ¾ x 0	D	Justice	6.4	8.2	34.2	51.2	2.8	12750	13630	800
2748-66	Slack ¾ x 0	D	DND	2.4	9.9	35.6	52.1	3.1	13300	13630	1044
2877-66	Slack ¾ x 0	D	DND	4.6	9.2	34.6	51.6	2.8	13100	13740	1034
2890-66	Slack ¾ x 0	D	DND	2.2	9.7	36.0	52.1	2.8	13370	13670	1077
3087-66	Slack ¾ x 0	D	DND	3.0	10.1	35.5	51.4	2.8	13150	13560	1533
3217-66	Slack ¾ x 0	D	DND	2.7	10.2	36.2	50.9	3.1	13280	13650	1466
3343-66	Slack ¾ x 0	D	DND	3.1	8.6	35.5	52.8	3.0	13520	13950	1274
3469-66	Slack ¾ x 0	D	DND	3.0	10.9	34.6	51.5	2.6	13070	13480	1008
3523-66	Slack ¾ x 0	D	DND	3.1	11.0	35.1	50.8	2.7	13010	13430	989
2174-66	Slack	D	DVA	3.3	6.0	36.1	54.6	2.4	13650	14120	103
2467-66	Slack	D	DVA	2.9	7.2	35.5	54.4	2.1	13780	14190	128
3074-66	Slack	D	DVA	2.2	7.4	34.9	55.5	1.9	13840	14150	109
3355-66	Slack	D	DVA	3.1	7.0	32.2	57.7	1.9	13790	14230	114
2239-66	Fines ¼ slot x 0	T	FMP	3.7	7.1	36.1	53.1	2.7	13480	14000	
3152-66	Fines ¼ slot x 0	T	FMP	4.0	14.7	32.7	48.6	3.2	12240	12740	
3560-66	Fines ¼ slot x 0	T	FMP	5.7	24.4	27.8	42.1	3.0	10210	10830	
2018-66	N/S 2 x 0	D	DND	5.7	8.4	35.1	50.8	3.4	12950	13740	870
2116-66	N/S 2 x 0	D	DND	4.6	8.9	35.3	51.2	3.0	12890	13510	959
2118-66	N/S 2 x 0	D	DND	2.1	8.5	35.6	53.8	2.8	13390	13690	448
2119-66	N/S 2 x 0	D	DND	2.1	7.4	36.7	53.8	2.9	13670	13970	1331
2141-66	N/S 2 x 0	D	DND	4.1	7.6	35.6	52.7	2.8	13280	13860	1345
2142-66	N/S 2 x 0	D	DND	2.5	9.0	33.1	55.4	2.3	13530	13880	
2158-66	N/S 2 x 0	D	DND	4.9	7.6	35.1	52.4	3.2	13050	13720	594
2159-66	N/S 2 x 0	D	DND	3.8	5.6	33.5	57.1	1.4	13860	14400	725
2171-66	N/S 2 x 0	D	DND	3.1	9.8	33.8	53.3	2.3	13320	13740	1145
2182-66	N/S 2 x 0	D	DND	2.4	9.4	34.5	53.7	2.5	13600	13930	477
2186-66	N/S 2 x 0	D	DND	2.3	9.6	34.2	53.9	2.4	13550	13870	551
2205-66	N/S 2 x 0	D	DND	4.6	7.5	35.8	52.1	3.7	13280	13910	589
2208-66	N/S 2 x 0	D	DND	3.5	7.2	33.4	55.9	1.9	13550	14040	1205
2211-66	N/S 2 x 0	D	DND	3.2	8.7	34.5	53.6	2.4	13360	13800	740
2213-66	N/S 2 x 0	D	DND	3.8	5.4	33.3	57.5	1.7	13930	14480	58
2214-66	N/S 2 x 0	D	DND	3.7	7.8	33.6	54.9	2.2	13530	14050	281
2233-66	N/S 2 x 0	D	DND	3.0	10.4	33.4	53.2	2.3	13490	13910	936
2261-66	N/S 2 x 0	D	DND	1.9	8.2	33.5	56.4	2.0	13810	14070	865

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

AREA Sydney Coal Field

OPERATOR Dosco Industries Limited
Old Sydney Collieries Division

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2295-66	N/S 2 x 0	D	DND	2.9	10.2	33.7	53.2	2.1	13560	13960	64
2297-66	N/S 2 x 0	D	DND	2.7	7.8	34.5	55.0	1.8	13780	14160	1187
2299-66	N/S 2 x 0	D	DND	3.5	9.3	33.7	53.5	1.9	13400	13880	831
2301-66	N/S 2 x 0	D	DND	0.9	7.5	35.0	56.6	2.1	14070	14190	427
2346-66	N/S 2 x 0	D	DND	4.5	9.5	34.9	51.1	3.5	12750	13350	739
2347-66	N/S 2 x 0	D	DND	3.4	5.2	34.2	57.2	2.2	14060	14550	1074
2368-66	N/S 2 x 0	D	DND	4.1	7.9	34.0	54.0	2.1	13480	14060	1080
2370-66	N/S 2 x 0	D	DND	3.5	7.0	33.5	56.0	1.8	13530	14030	885
2415-66	N/S 2 x 0	D	DND	3.5	8.0	33.4	55.1	2.2	13430	13920	1185
2424-66	N/S 2 x 0	D	DND	2.2	7.8	34.3	55.7	2.1	13810	14110	514
2456-66	N/S 2 x 0	D	DND	3.5	8.5	34.0	54.0	2.4	13320	13810	907
2457-66	N/S 2 x 0	D	DND	3.6	7.6	34.3	54.5	2.3	13520	14030	70
2468-66	N/S 2 x 0	D	DND	3.4	6.7	33.7	56.2	2.3	13450	13920	761
2490-66	N/S 2 x 0	D	DND	3.3	7.5	34.0	55.2	2.1	13690	14160	991
2498-66	N/S 2 x 0	D	DND	3.8	8.1	33.5	54.6	2.4	13250	13770	816
2511-66	N/S 2 x 0	D	DND	1.1	7.6	35.1	56.2	2.4	14010	14160	453
2538-66	N/S 2 x 0	D	DND	3.6	8.1	33.7	54.6	2.1	13600	14110	1015
2541-66	N/S 2 x 0	D	DND	3.6	8.0	33.6	54.8	2.2	13660	14170	63
2542-66	N/S 2 x 0	D	DND	3.1	10.9	33.0	53.0	2.1	13120	13530	864
2560-66	N/S 2 x 0	D	DND	4.1	7.0	34.2	54.7	2.1	13580	14160	1085
2609-66	N/S 2 x 0	D	DND	3.1	9.3	33.8	53.8	2.2	13300	13730	644
2686-66	N/S 2 x 0	D	DND	2.7	10.4	33.6	53.3	2.4	12920	13280	858
2691-66	N/S 2 x 0	D	DND	2.0	6.8	34.6	56.6	2.2	14070	14360	423
2695-66	N/S 2 x 0	D	DND	2.9	8.5	33.8	54.8	2.3	13430	13820	39
2697-66	N/S 2 x 0	D	DND	3.2	7.0	31.5	58.3	2.3	13640	14090	978
2724-66	N/S 2 x 0	D	DND	3.9	10.8	32.9	52.4	2.2	12950	13480	704
2729-66	N/S 2 x 0	D	DND	1.1	5.2	36.1	57.6	2.0	14230	14390	214
2850-66	N/S 2 x 0	D	DND	1.9	6.5	35.1	56.5	1.9	14120	14390	456
2860-66	N/S 2 x 0	D	DND	3.3	5.4	33.6	57.7	2.0	13970	14450	211
2930-66	N/S 2 x 0	D	DND	1.6	7.1	33.4	57.9	1.8	13770	14000	173
2936-66	N/S 2 x 0	D	DND	2.3	8.0	34.4	55.3	2.0	13700	14030	340
2937-66	N/S 2 x 0	D	DND	2.3	8.0	34.9	54.8	2.0	13710	14040	589
2938-66	N/S 2 x 0	D	DND	2.6	6.7	34.9	55.8	1.6	13950	14180	301
2959-66	N/S 2 x 0	D	DND	2.5	8.6	34.8	54.1	2.0	13520	13860	624
3032-66	N/S 2 x 0	D	DND	1.1	8.0	35.1	55.8	1.8	13960	14110	268
3037-66	N/S 2 x 0	D	DND	2.5	6.8	34.6	56.1	2.0	13680	14030	528
3078-66	N/S 2 x 0	D	DND	2.6	9.5	34.6	53.3	1.6	13530	13890	231
3084-66	N/S 2 x 0	D	DND	2.0	6.0	36.0	56.0	1.9	14150	14440	529

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

AREA Sydney Coal Field

OPERATOR Dosco Industries Limited
Old Sydney Collieries Division

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
3085-66	N/S 2 x 0	D	DND	1.8	7.7	34.1	56.4	1.7	13780	14030	382
3188-66	N/S 2 x 0	D	DND	1.9	6.3	33.8	58.0	1.2	13930	14200	261
3214-66	N/S 2 x 0	D	DND	1.8	5.5	35.5	57.2	1.9	14320	14580	234
3215-66	N/S 2 x 0	D	DND	3.0	7.3	34.5	55.2	1.7	13780	14200	45
3221-66	N/S 2 x 0	D	DND	0.3	7.9	35.3	56.5	2.2	14090	14130	552
3222-66	N/S 2 x 0	D	DND	2.3	8.4	33.9	55.4	2.0	13810	14140	533
3239-66	N/S 2 x 0	D	DND	2.9	6.7	33.9	56.5	2.1	13980	14390	1008
3260-66	N/S 2 x 0	D	DND	2.6	7.0	34.4	56.0	1.8	13890	14250	380
3322-66	N/S 2 x 0	D	DND	4.6	13.6	33.1	48.7	2.1	13570	14230	81
3340-66	N/S 2 x 0	D	DND	2.4	7.4	34.4	55.8	2.1	13970	14310	133
3347-66	N/S 2 x 0	D	DND	1.9	6.8	35.5	55.8	2.1	13950	14230	1032
3352-66	N/S 2 x 0	D	DND	1.1	6.0	35.3	57.6	1.9	14240	14390	352
3353-66	N/S 2 x 0	D	DND	2.5	6.8	34.5	56.2	2.0	14000	14370	589
3354-66	N/S 2 x 0	D	DND	3.1	6.8	34.6	55.5	1.7	13930	14360	39
3356-66	N/S 2 x 0	D	DND	1.9	6.1	36.1	55.9	1.9	14160	14430	381
3423-66	N/S 2 x 0	D	DND	1.1	8.3	34.0	56.6	2.0	13840	13990	1029
3437-66	N/S 2 x 0	D	DND	2.3	7.8	33.3	56.6	1.8	13880	14210	652
3514-66	N/S 2 x 0	D	DND	0.8	6.0	36.3	56.9	1.7	14360	14480	320
3526-66	N/S 2 x 0	D	DND	4.4	11.1	32.5	52.0	1.9	12640	13230	78
3571-66	N/S 2 x 0	D	DND	2.3	5.4	35.4	56.9	1.7	14150	14470	60
3572-66	N/S 2 x 0	D	DND	2.6	8.3	33.6	55.5	2.3	13460	13810	652
3579-66	N/S 2 x 0	D	DND	1.7	7.7	34.6	56.0	1.8	13680	13910	954
3582-66	N/S 2 x 0	D	DND	1.2	6.3	34.7	57.8	1.8	14220	14380	909
2493-66	N/S 1¼ x 0	D	Justice	3.0	9.4	37.9	49.7	3.9	12930	13330	178
2672-66	N/S 1¼ x 0	D	Justice	2.8	9.0	33.6	54.6	2.1	13460	13850	365
2839-66	N/S 1¼ x 0	D	Justice	2.1	7.9	34.2	58.8	2.2	13830	14130	317
2927-66	N/S 1¼ x 0	D	Justice	2.3	7.7	34.1	55.9	2.0	13900	14220	231
3020-66	N/S 1¼ x 0	D	Justice	1.3	7.8	35.1	55.8	2.1	13790	13970	263
3138-66	N/S 1¼ x 0	D	Justice	2.7	6.7	35.2	55.4	2.2	13830	14200	348
3467-66	N/S 1¼ x 0	D	Justice	2.7	7.8	33.7	55.8	2.1	13690	14070	127
3573-66	N/S 1¼ x 0	D	Justice	3.8	7.0	34.1	55.1	2.3	13570	14110	156
									OPERATOR	Bras d'Or Coal Co., Ltd.	
3552-66	Lump +2	T	FMP	4.3	7.6	35.9	52.2	5.7	12990	13570	
3553-66	Nut 2 x ¾	T	FMP	4.8	17.9	31.3	46.0	8.4	11090	11640	
3581-66	P/S 2 x 1/8	D	DND	3.7	10.6	34.5	51.2	6.1	12420	12890	50
3015-66	P/S 1¼ x ¼	D	DND	3.6	9.3	34.7	52.4	5.7	12750	13230	12
3021-66	P/S 1¼ x ¼	D	DND	4.0	11.2	34.3	50.5	5.6	12370	12880	255
3033-66	P/S 1¼ x ¼	D	DND	4.3	11.4	34.2	50.1	4.4	12330	12880	267
3034-66	P/S 1¼ x ¼	D	DND	4.3	11.8	33.5	50.4	6.0	12110	12650	45

PROVINCE OF NOVA SCOTIA
CAPE BRETON COAL FIELDS
BITUMINOUS COAL (CONT'D)

AREA Sydney Coal Field OPERATOR Bras d'Or Coal Co., Ltd.

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
3196-66	P/S 1¼ x ¼	D	DND	3.8	10.3	33.5	52.4	5.6	12670	13170	6
3206-66	P/S 1¼ x ¼	D	DND	4.1	11.8	34.0	51.0	6.7	12130	12650	21
3223-66	P/S	D	DND	5.0	13.9	33.7	47.4	6.3	11820	12450	42
3554-66	Pea ¾ x 5/16	T	FMP	4.3	9.5	34.4	51.8	5.7	12540	13100	
2811-66	N/S 2 x 0	D	DND	3.5	13.6	31.6	51.3	6.1	12110	12540	482
2925-66	N/S 2 x 0	D	DND	2.5	10.4	35.4	51.7	5.2	12710	13040	358
2929-66	N/S 2 x 0	D	DND	2.5	12.4	34.2	50.9	6.2	12250	12560	155
3243-66	N/S 2 x 0	D	DND	3.2	13.5	33.4	49.9	6.6	12060	12470	177
3298-66	N/S 2 x 0	D	DND	3.0	8.9	34.2	53.9	6.1	12040	12410	887
2019-66	Slack ¾ x 0	D	DND	6.6	13.3	31.1	49.0	3.9	11650	12470	991
2172-66	Slack ¾ x 0	D	DND	6.0	12.2	32.6	49.2	4.7	11930	12700	1021
2256-66	Slack ¾ x 0	D	DND	4.0	15.3	31.7	49.0	3.6	11910	12400	1001
2389-66	Slack ¾ x 0	D	DND	6.4	14.2	30.9	48.5	3.6	11570	12370	1002
2489-66	Slack ¾ x 0	D	DND	5.4	9.9	34.0	50.7	5.2	12340	13050	742
2673-66	Slack ¾ x 0	D	DND	4.7	10.5	33.2	51.6	5.1	12290	12890	878
2808-66	Slack ¾ x 0	D	DND	5.8	9.8	33.1	51.4	5.6	12290	13050	597
3038-66	Slack ¾ x 0	D	DND	4.5	8.4	35.5	51.6	5.2	12700	13300	724
3555-66	Fines 5/16 x 0	T	FMP	8.1	9.7	32.4	49.8	4.3	11930	12980	

AREA Inverness Coal Field OPERATOR Evans Coal Mines Ltd.

3204-66	Medium Lump	S	-	3.9	8.4	35.9	51.8	6.4	12400	12900
3383-66	Medium Lump 4 x 2	T	FMP	5.4	9.4	35.4	49.8	7.0	12090	12780
3384-66	Egg 2 x 1	T	FMP	5.4	9.6	35.8	49.2	6.6	11960	12640
3385-66	Nut 1 x ¾	T	FMP	5.3	9.0	36.1	49.6	6.3	12160	12840
3386-66	Stoker ¾ x ½	T	FMP	4.8	7.8	36.2	51.2	5.5	12630	13260
3387-66	Fines ½ x 0	T	FMP	6.1	10.1	36.3	47.5	6.1	11770	12540

MAINLAND COAL FIELDS

AREA Pictou Coal Field OPERATOR Dosco Industries Limited Acadia Coal Division

3388-66	Egg +1¾ Sq	T	FMP	2.6	11.3	32.1	54.0	0.3	12910	13250	
3389-66	Nut 1¾ x ¾ sq	T	FMP	4.3	10.1	28.0	57.6	0.4	12970	13560	
3390-66	Stoker ¾ x 3/16 sq	T	FMP	4.5	11.1	27.7	56.7	0.4	12780	13380	
2138-66	N/S 2 x 1/32	D	DND	4.0	12.3	27.4	56.3	0.6	12600	13120	945
2315-66	N/S 1¾ x 1/32	D	DND	5.2	11.4	27.3	56.1	0.5	12570	13270	997
2366-66	N/S 1¾ x 1/32	D	DND	5.5	12.7	26.7	55.1	0.5	12330	13040	1010
2375-66	N/S 1¾ x 1/32	D	DND	4.7	14.2	26.8	54.3	0.8	12210	12810	941
2565-66	N/S 1¾ x 1/32	D	DND	3.9	13.6	26.7	55.8	0.5	12380	12880	815
2587-66	N/S 1¾ x 1/32	D	DND	4.8	11.8	28.1	55.3	0.4	12520	13150	591
3279-66	N/S 1¾ x 1/32	D	DND	3.1	12.9	27.7	56.3	0.4	12660	13050	975

PROVINCE OF NOVA SCOTIA
MAINLAND COAL FIELDS (CONT'D)
BITUMINOUS COAL (CONT'D)

AREA Pictou Coal Field (cont'd) OPERATOR Dosco Industries Limited Acadia Coal Division

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2749-66	N/S 1¾ x 0	D	DND	4.6	12.2	27.0	56.2	0.4	12560	13160	978
2863-66	N/S 1¾ x 0	D	DND	3.9	11.4	27.9	56.8	0.5	12740	13270	973
2864-66	N/S 1¾ x 0	D	DND	4.8	11.1	28.0	56.1	0.5	12580	13210	1040
2865-66	N/S 1¾ x 0	D	DND	4.2	11.9	27.4	56.5	0.5	12600	13150	1025
2866-66	N/S 1¾ x 0	D	DND	4.9	11.8	27.4	55.9	0.4	12440	13080	978
3280-66	N/S 1¾ x 0	D	DND	3.3	11.5	28.0	57.4	0.4	12880	13310	993
2009-66	N/S 1½ x 1/32	D	DND	5.6	14.5	26.3	53.6	0.8	12000	12710	794
3391-66	Splint 1½ x 0	T	FMP	3.8	22.0	25.9	48.3	0.3	10980	11420	
3392-66	Fines 3/16 x 0	T	FMP	5.7	15.2	25.8	53.3	0.5	11820	12540	
								OPERATOR: Drummond Coal Co., Ltd.			
2134-66	Mine Run	T	FMP	1.4	21.5	25.3	51.8	1.2	13330	11490	
3393-66	Mine Run	D	FMP	4.5	22.1	24.9	48.5	1.3	10800	11310	
3395-66	Lump +1½ sq	T	FMP	4.2	17.1	27.2	51.5	0.6	11490	11990	
3396-66	Nut 1½ x ¾ sq	T	FMP	6.3	14.6	26.1	53.0	0.8	11630	12410	
3097-66	P/S 1¼ x ¼	D	DND	3.7	18.8	26.3	51.2	1.0	11490	11930	51
3394-66	Slack ¾ x 0	D	FMP	4.6	20.9	25.5	49.0	1.0	10920	11450	
3397-66	Slack ¾ x 0	T	FMP	6.9	15.8	26.0	51.3	1.1	11180	12010	
	AREA: Joggins Coal Field							OPERATOR: River Hebert Coal Co., Ltd.			
3405-66	Channel Sample	T	FMP	1.9	27.5	30.4	40.2	6.4	10390	10600	
3406-66	Channel Sample	T	FMP	1.3	34.9	27.6	36.2	6.1	9110	9220	
3407-66	Lump +1 1/8 sq	D	FMP	1.4	25.2	31.2	42.2	5.7	10750	10890	
3408-66	Slack -1 1/8	D	FMP	2.1	18.4	32.7	46.8	4.5	11790	12040	
	AREA: Springhill Coal Field							OPERATOR: Springhill Coal Mines Limited			
3401-66	Mine Run	T	FMP	7.6	22.1	27.1	43.2	1.5	10200	11040	
3398-66	Lump 6 x 1½	T	FMP	3.8	21.5	28.6	46.1	2.3	10990	11430	
3402-66	Lump 6 x 1½	D	FMP	4.6	21.0	29.3	45.1	2.6	10690	11210	
3081-66	Nut 2 x 1¼	D	Justice	2.9	18.1	30.5	48.5	2.2	11380	11720	582
3513-66	Nut 2 x 1¼	D	Justice	8.6	18.6	27.4	45.4	1.8	10650	11650	394
3399-66	Stoker 1½ x 3/8 sl	T	FMP	4.8	21.4	28.7	45.1	2.5	10740	11280	
2369-66	Stoker Pea	D	DPW	1.7	21.5	29.6	47.2	2.6	10990	11180	
3237-66	Stoker	D	Justice	4.8	19.2	28.4	47.6	2.2	11040	11600	350
2080-66	P/S 1¼ x ¼	D	DND	4.8	17.5	29.2	48.5	2.2	11420	11990	17
2160-66	P/S 1¼ x ¼	D	DND	4.9	17.4	29.4	48.3	2.3	11410	12000	17
2179-66	P/S ¾ x ¼	D	Justice	11.8	17.0	26.9	44.3	2.2	10210	11580	545
2234-66	P/S ¾ x ¼	D	Justice	4.7	20.2	28.6	46.5	2.5	10850	11380	693
2290-66	P/S ¾ x ¼	D	Justice	5.0	20.2	28.4	46.4	2.4	10940	11520	355
2491-66	P/S ¾ x ¼	D	Justice	2.2	20.9	30.2	46.7	2.4	11080	11330	577
2656-66	P/S ¾ x ¼	D	Justice	2.6	18.5	30.3	48.6	2.3	11280	11590	599
2928-66	P/S ¾ x ¼	D	Justice	3.3	18.2	30.3	48.2	2.1	11490	11880	651
3022-66	P/S ¾ x ¼	D	Justice	3.4	21.2	29.7	45.7	2.4	10890	11270	417
3471-66	P/S ¾ x ¼	D	Justice	4.9	20.2	28.7	46.2	2.4	10890	11440	466
3525-66	P/S ¾ x ¼	D	Justice	7.1	24.9	27.4	40.6	2.1	9870	10620	530
3287-66	N/S 1¼ x 0	D	Justice	2.5	22.1	28.9	46.5	2.3	10870	11150	150
2117-66	Slack	D	Justice	5.9	24.2	26.6	43.3	2.5	10240	10880	547
3400-66	Fines 3/8 x 0	T	FMP	7.2	19.4	28.3	45.1	2.5	10500	11310	
3403-66	Fines 3/8 x 0	D	FMP	13.7	13.5	35.2	37.6	1.1	10010	11600	
3404-66	Lump & Fines	D	FMP	6.9	26.4	27.2	39.5	1.8	9300	9990	

PROVINCE OF NEW BRUNSWICK
MINTO COAL FIELDS

AREA Minto & Chipman — OPERATOR Avon Coal Co., Ltd.

BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2087-66	Mine Run	D	FMP	5.9	18.0	29.6	46.5	8.8	11420	12130	
3445-66	Mine Run Mix	D	FMP	8.5	27.3	25.3	38.9	9.1	9430	10310	
2081-66	Lump +3 sq	T	FMP	2.2	17.4	31.6	48.8	8.0	11970	12250	
3439-66	Lump +3 sq	T	FMP	1.8	21.2	30.3	46.7	11.2	11530	11740	
2082-66	Nut 3 x 1¼	T	FMP	1.8	15.4	32.4	50.4	7.7	12470	12710	
3440-66	Nut 3 x 1¼	T	FMP	2.3	14.5	32.6	50.6	7.4	12570	12870	
2083-66	Stoker 1¼ x ¼	T	FMP	2.5	17.0	31.8	48.7	7.8	12010	12320	
3441-66	Stoker 1¼ x ¼	T	FMP	2.1	16.0	32.2	49.7	8.0	12390	12650	
2084-66	N/S 1¼ x 0	T	FMP	4.7	14.1	31.4	49.8	6.7	12150	12740	
3442-66	N/S 1¼ x 0	T	FMP	3.4	14.4	33.3	48.9	7.4	12460	12900	
2085-66	Slack ¾ x 0	T	FMP	3.6	17.0	31.6	47.8	7.1	11900	12340	
3443-66	Slack ¾ x 0	T	FMP	2.9	16.8	31.7	48.6	6.4	12090	12440	
2086-66	Fines ¼ x 0	T	FMP	3.1	11.7	33.9	51.3	6.1	12950	13370	
3444-66	Fines ¼ x 0	T	FMP	4.5	13.1	32.8	49.6	6.8	12500	13090	
									OPERATOR Dufferin Mining Ltd.		
2100-66	Mine Run	T	FMP	5.0	20.0	31.1	43.9	8.3	11300	11890	
3460-66	Screened +2 sq	T	FMP	1.5	17.3	33.4	47.8	7.3	12220	12400	
3461-66	Slack 2 sq x 0	T	FMP	3.3	25.1	30.0	41.6	7.2	10700	11070	
									OPERATOR Dunsinane Coal Co.		
2006-66	P/S 1½ x 3/8	D	DND	2.3	17.6	31.7	48.4	6.3	11630	11910	100
									OPERATOR McMann, V.C., Ltd.		
2097-66	Mine Run	D	FMP	3.8	20.6	30.7	44.9	6.5	11250	11700	
3459-66	Mix	D	FMP	1.9	18.2	32.8	47.1	6.9	11960	12190	
3457-66	Screened +1¼	T	FMP	1.6	21.4	31.2	45.8	9.6	11580	11770	
2098-66	Slack 1¼ x 0	D	FMP	3.2	17.9	32.3	46.6	6.2	11840	12230	
3458-66	Slack 1¼ x 0	T	FMP	3.5	17.9	32.3	46.3	7.1	11860	12300	
									OPERATOR Midland Mining Co.		
2095-66	Run of Mine	D	FMP	4.4	17.9	30.9	46.8	8.2	11520	12050	
3454-66	Run of Mine	D	FMP	7.5	21.2	28.5	42.8	7.8	10170	10990	
2096-66	Run of Mine	D	FMP	3.9	20.8	32.0	43.3	7.7	11220	11670	
3455-66	Run of Mine	D	FMP	4.1	31.7	26.3	37.9	12.9	9260	9660	
									OPERATOR Mills, D.W., and R.A. Ltd.		
2092-66	Mine Run	D	FMP	4.7	15.0	32.4	47.9	6.4	12100	12700	
3450-66	Mine Run	D	FMP	4.3	25.9	28.3	41.5	7.7	10390	10860	
3446-66	Nut 2 x 1	T	FMP	1.8	17.0	32.2	49.0	7.4	12170	12380	
2088-66	Nut 2 x 3/4 sq	T	FMP	2.3	15.6	31.9	50.2	6.4	12330	12620	
3375-66	P/S 1½ x 3/8	D	DND	1.7	14.6	33.2	50.5	6.8	12790	13010	94
3546-66	P/S 1½ x 3/8	D	DND	0.9	14.3	34.1	50.7	6.4	13030	13150	93
2010-66	P/S 1½ x ½	D	DND	3.0	14.1	32.9	50.0	6.2	12590	12980	574
2486-66	P/S 1¼ x ½	D	DND	2.4	14.3	32.5	50.8	5.4	12660	12970	413
2992-66	P/S 1¼ x ¼	D	DND	1.1	14.8	33.8	50.3	6.7	12790	12930	210
3086-66	P/S 1¼ x ¼	D	DND	2.2	14.0	34.0	49.4	6.4	12720	13010	111
3448-66	Stoker 1 x ¾	T	FMP	2.0	16.3	32.3	49.4	7.2	12370	12620	
2090-66	Stoker ¾ x ¼	T	FMP	2.2	14.9	32.7	50.2	6.2	12440	12730	
2089-66	C/S 2 x 0	T	FMP	3.2	18.0	31.1	47.7	6.3	11900	12290	

PROVINCE OF NEW BRUNSWICK (CONT'D)

MINTO COAL FIELDS (CONT'D)

BITUMINOUS COAL (CONT'D)

AREA Minto and Chipman (cont'd) OPERATOR Mills, D.W., and R.A. Ltd.

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
3447-66	C/S 2 x 0	T	FMP	4.4	15.5	31.5	48.6	6.7	11990	12530	
3079-66	N/S 2 x 0	D	DND	0.9	14.1	34.5	50.5	5.8	12890	13010	220
3080-66	N/S 2 x 0	D	DND	0.8	13.1	34.5	51.8	6.2	13010	13120	332
3259-66	N/S 2 x 0	D	DND	1.3	15.9	33.4	49.4	6.0	12590	12760	596
2091-66	F/S ¾ x 0	T	FMP	5.1	16.8	31.2	46.9	5.9	11780	12420	
3449-66	Fines ¾ x 0	T	FMP	7.9	13.2	30.0	48.9	5.2	11870	12890	
									OPERATOR Nichols E.H. Ltd.		
2093-66	Screen +1¼ sq.	T	FMP	1.6	18.0	31.7	48.7	6.3	12100	12290	
3451-66	Screen +1¼ sq.	T	FMP	1.8	21.0	31.0	46.2	6.6	11500	11710	
3453-66	Mix	D	FMP	2.2	23.9	29.9	44.0	5.8	11060	11300	
2094-66	Slack 1¼ x 0	T	FMP	2.6	25.5	29.0	42.9	5.7	10670	10950	
									OPERATOR Swift, Norman I., Ltd.		
2099-66	Mine Run	D	FMP	5.9	19.6	31.9	42.6	7.5	11160	11860	
3456-66	Mine Run	D	FMP	3.4	25.1	31.4	40.1	8.5	10490	10860	

PROVINCE OF SASKATCHEWAN

SOURIS VALLEY DISTRICT

LIGNITE

AREA Bienfait OPERATOR Manitoba and Saskatchewan Coal Company, Ltd.

2735-66	P/S 1 x ½	D	DND	30.3	5.5	28.0	36.2	0.4	8160	11700	242
2757-66	P/S 1 x ½	D	DND	32.9	5.6	27.7	33.8	0.3	7590	11320	235
2758-66	P/S 1 x ½	D	DND	33.4	5.5	27.0	34.1	0.4	7790	11700	239
2844-66	P/S 1 x ½	D	DND	21.6	5.7	32.1	40.6	0.5	9070	11570	119
2923-66	P/S 1 x ½	D	DND	29.0	5.8	30.0	35.2	0.4	7980	11250	118
2924-66	P/S 1 x ½	D	DND	24.6	6.2	30.8	38.4	0.5	8480	11240	119
2943-66	P/S 1 x ½	D	DND	27.7	6.0	31.0	35.3	0.4	8290	11460	119
									OPERATOR: Great West Coal Co., Ltd.		
2022-66	Pea 1 x ½	D	Justice	31.4	7.4	26.6	34.6	0.6	7680	11190	624
2185-66	Pea 1 x ½	D	Justice	32.6	7.8	26.0	33.6	0.6	7490	11100	622
2847-66	Pea 1 x ½	D	DND	17.9	7.9	32.7	41.5	0.6	9090	11080	985
2891-66	Pea 1 x ½	D	Justice	16.3	8.1	33.2	42.4	0.6	9550	11410	614
2934-66	Pea 1 x ½	D	Justice	32.9	6.4	26.2	34.5	0.4	7740	11530	610
2961-66	Pea 1 x ½	D	Justice	35.0	7.9	25.6	31.5	0.5	7210	11090	614
2990-66	Pea 1 x ½	D	DND	25.4	7.3	29.9	37.4	0.6	8330	11170	967
3238-66	Pea 1 x ½	D	DND	32.9	7.4	25.8	33.9	0.7	7430	11080	121
3321-66	Pea 1 x ½	D	Justice	33.1	8.3	26.6	32.0	0.6	7500	11200	605
3376-66	Pea 1 x ½	D	Justice	31.5	6.9	26.7	34.9	0.7	6880	10030	617
3496-66	Pea 1 x ½	D	Justice	29.1	6.8	28.0	36.1	0.5	8070	11390	627
3594-66	Pea 1 x ½	D	Justice	33.9	6.7	26.9	32.5	0.5	7480	11320	637

PROVINCE OF ALBERTA
SEMI ANTHRACITE
LOW VOLATILE BITUMINOUS

AREA Cascade — OPERATOR Canmore Mines Ltd.

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received: Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Dry: Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2148-66	P/S 1½ x ¼	D	DND	5.4	7.0	12.7	74.9	1.0	13570	14340	
3075-66	P/S 1¼ x 1	D	DND	1.9	7.3	13.7	77.1	0.8	13980	14260	97
2365-66	P/S 1¼ x ¼	D	DND	2.9	6.8	13.4	76.9	0.8	13950	14360	29
3189-66	P/S 1¼ x ¼	D	DND	4.2	6.8	16.0	73.0	0.8	13910	14520	50
3225-66	P/S 1¼ x ¼	D	DND	1.9	6.5	14.6	77.0	0.9	14250	14520	25
3240-66	P/S 1¼ x ¼	D	DND	2.6	6.6	13.1	77.7	0.9	14200	14580	48
3374-66	P/S 1¼ x ¼	D	DND	3.6	7.0	13.6	75.8	1.1	13850	14370	57
3465-66	P/S 1¼ x ¼	D	DND	3.8	6.6	14.1	75.5	0.7	13930	14480	50
2846-66	P/S 1 x ¼	D	DND	2.7	5.5	14.1	77.7	0.7	14340	14750	340
2931-66	P/S 1 x ¼	D	DND	1.7	6.9	13.5	77.9	0.8	14180	14430	305
2146-66	Briquettes	D	DND	0.4	8.2	17.0	74.4	0.8	14380	14440	54
3470-66	Briquettes	D	DND	0.4	8.2	19.1	72.3	0.8	14370	14430	68
	AREA Panther				SUBBITUMINOUS COAL				OPERATOR Ardley Coal Ltd.		
3576-66	Ch. Sample	T	FMP	3.0	6.2	16.7	74.1	0.9	13840	14270	
	AREA Sheerness								OPERATOR Battle River Coal Co.		
3109-66	Lump +4⅛ rd	T	FMP	26.2	6.7	29.0	38.1	0.4	8330	11280	
3110-66	Egg 4⅛ x 2 rd	T	FMP	27.1	6.1	29.2	37.6	0.3	8380	11490	
3111-66	Nut 2 rd x 1¼ sq	T	FMP	25.1	6.0	30.1	38.8	0.4	8550	11410	
2955-66	Nut 2 x ¾	D	DND	20.8	6.1	31.2	41.9	0.4	9200	11620	264
2150-66	Nut 2 x ¾	D	DND	22.6	6.9	30.1	40.4	0.4	9000	11630	
3112-66	Stoker 1¼ x ½ sq	T	FMP	25.1	6.1	29.7	39.1	0.4	8500	11350	
3113-66	Slack - ½ sq	T	FMP	23.6	6.7	30.6	39.1	0.5	8610	11270	
	AREA Castor								OPERATOR Forrestburg Collieries Ltd.		
3466-66	Nut 2 x ¾	D	DND	18.2	9.5	31.7	40.6	0.6	9610	11750	255
3574-66	Nut 2 x ¾	D	DND	24.0	7.0	28.0	41.0	0.6	8810	11590	337
	AREA Drumheller								OPERATOR Amalgamated Coals Ltd.		
2254-66	Nut 2 x ¾	D	DND	18.6	9.4	31.6	40.4	0.4	9270	11390	142

PROVINCE OF BRITISH COLUMBIA
BITUMINOUS COAL

AREA: Vancouver Island District — OPERATOR: Comox Mining Co., Ltd.

2147-66	Lump 4 x 1	D	DND	1.0	15.2	29.8	54.0	2.5	12510	12630	
2215-66	Lump 4 x 1	D	DND	1.7	11.9	31.2	55.2	3.1	12800	13010	47
2292-66	Lump 4 x 1	D	DND	1.2	13.4	31.5	53.9	2.4	12740	12890	43
2413-66	Lump 4 x 1	D	DND	0.6	17.2	29.8	52.4	2.4	12260	12340	50
2531-66	Lump 4 x 1	D	DND	1.1	13.1	30.6	55.2	2.6	12880	13020	36
2108-66	P/S 1 x ¼	D	DND	0.9	22.1	28.5	48.5	3.5	11350	11450	433

PROVINCE OF BRITISH COLUMBIA (CONT'D)

AREA East Kootenay District

OPERATOR The Crow's Nest Industries Ltd.

LOW VOLATILE BITUMINOUS COAL

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
3373-66	Lump 4 x 1	D	DND	1.5	11.6	20.0	66.9	0.4	13660	13860	39
2317-66	P/S 1 x ¼	D	DND	1.8	13.5	18.5	66.2	0.3	12800	13040	460
2427-66	P/S 1 x ¼	D	DND	1.5	13.5	18.8	66.2	0.2	13160	13370	720
2533-66	P/S 1 x ¼	D	DND	3.6	12.9	18.7	64.8	0.2	12720	13190	359
2534-66	P/S 1 x ¼	D	DND	1.3	13.1	18.3	67.3	0.4	13240	13410	622
2698-66	P/S 1 x ¼	D	DND	1.2	13.6	19.2	66.0	0.3	13100	13260	302

II. IMPORTED COALS

UNITED STATES

It has been drawn to the attention of this Division that the analyses of some imported coals are not typical of the mines from which they are said to originate. The Fuels and Mining Practice Division takes no responsibility for the sampling or designation of coals unless they are carried out by divisional (FMP) officers as indicated in "Sampled by" column.

BITUMINOUS COAL

STATE: Kentucky			Whitesburg					OPERATOR OR TRADE NAME: Nordic			
2180-66	N/S	D	DVA	10.3	4.8	39.3	45.6	2.5	12140	13530	1352
			Perry County					OPERATOR OR TRADE NAME: Tarheel			
2231-66	N/S 2 x 0	D	DND	9.1	7.8	34.1	49.0	0.8	12190	13410	564
								OPERATOR OR TRADE NAME: Kodak Mining Co.			
2257-66	N/S 2 x 0	D	DND	4.7	9.2	35.2	50.9	1.6	12580	13200	656
STATE: Pennsylvania								OPERATOR OR TRADE NAME: Allison			
2007-66	P/S 2 x ¼	D	DND	7.8	6.3	37.6	48.3	2.3	12520	13570	58
2137-66	P/S 2 x 1/8	D	DND	3.4	10.4	39.4	46.8	2.6	13030	13480	598
2173-66	P/S 2 x 1/8	D	DND	4.7	10.3	38.1	46.9	3.0	12720	13340	688
2255-66	P/S 2 x 1/8	D	DND	5.3	10.3	37.4	47.0	2.5	12510	13220	899
2367-66	P/S 2 x 1/8	D	DND	4.5	9.8	38.5	47.2	2.7	12870	13470	748
2477-66	P/S 2 x 1/8	D	DND	4.1	10.3	38.4	47.2	2.7	12750	13300	637
2586-66	P/S 2 x 1/8	D	DND	3.9	10.3	37.1	48.7	2.2	12730	13250	546
2670-66	P/S 2 x 1/8	D	DND	3.9	9.9	37.6	48.6	2.4	12880	13400	283
3349-66	P/S	D	DND	5.4	10.6	37.5	46.5	3.0	12450	13170	32
			Reynoldsville					OPERATOR OR TRADE NAME: Convair			
2210-66	N/S 2 x 0	D	DND	5.7	10.2	34.5	49.6	2.3	12330	13080	1271
3515-66	N/S 2 x 0	D	DND	3.5	9.6	33.1	53.8	1.4	13220	13690	1013
			Fairwall District No. 2					OPERATOR OR TRADE NAME: Amos No. 8			
3035-66	P/S 2 x 1/8	D	DND	2.0	10.6	40.1	47.3	3.3	13550	13830	408
3205-66	P/S 2 x 1/8	D	DND	3.0	11.8	38.9	46.3	3.6	12700	13090	403
3278-66	P/S 2 x 1/8	D	DND	2.1	10.9	40.1	46.9	3.6	13220	13500	331
			Kittaning Seam					OPERATOR OR TRADE NAME: Monterey			
3350-66	N/S 2 x 0	D	DND	3.6	9.8	35.6	51.0	2.5	12980	13460	220
3487-66	N/S 2 x 0	D	DND	3.5	10.4	30.1	56.0	2.0	12840	13300	273
3580-66	N/S 2 x 0	D	DND	5.7	9.1	28.9	56.3	2.1	12720	13500	418

IMPORTED COALS

UNITED STATES

STATE: Pennsylvania — Butler County — OPERATOR OR TRADE NAME: Devon

BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2003-66	N/S 1¼ x 0	D	DVA	6.1	8.1	35.5	50.3	1.6	12690	13500	123
2316-66	N/S 1¼ x 0	D	DVA	10.1	6.7	37.3	46.0	2.5	12160	13510	119
2657-66	N/S 1¼ x 0	D	DVA	1.6	8.5	36.4	53.5	0.7	13370	13590	119
				Reynoldsville				OPERATOR OR TRADE NAME:			Harlan (Gallaghan Mine)
2121-66	N/S 2 x 0	D	DND	3.7	12.5	32.2	51.6	1.5	12760	13260	1049
2288-66	N/S 2 x 0	D	DND	5.6	10.7	31.7	52.0	1.4	12640	13390	1120
3258-66	N/S 2 x 0	D	DND	3.9	13.3	30.6	52.2	2.0	12690	13210	991
				Clarion County				OPERATOR OR TRADE NAME:			Hawthorne
2161-66	N/S 2 x 0	D	DND	10.0	11.2	29.2	49.6	1.3	11150	12380	494
2209-66	N/S 2 x 0	D	DND	6.6	12.5	31.8	49.1	3.1	11570	12390	630
2319-66	N/S 2 x 0	D	DND	5.0	11.6	33.3	50.1	2.6	11990	12620	415
2484-66	N/S 2 x 0	D	DND	10.1	11.1	28.5	50.3	1.1	11270	12530	383
2536-66	N/S 2 x 0	D	DND	4.0	12.8	30.6	52.6	1.5	11860	12350	313
				Knoxdale				OPERATOR OR TRADE NAME:			Kniseley
2020-66	N/S 2 x 0	D	DND	4.3	8.9	33.7	54.1	2.7	13430	13890	217
				Armstrong County				OPERATOR OR TRADE NAME:			Michigan
2125-66	P/S 2 x 1/8	D	DND	9.4	5.0	39.9	45.7	2.4	12220	13480	972
2253-66	P/S 2 x 1/8	D	DND	9.3	4.3	40.6	45.8	2.5	12310	13580	944
2296-66	P/S 2 x 1/8	D	DND	8.9	4.7	40.9	45.5	2.3	12350	13550	959
2400-66	P/S 2 x 1/8	D	DND	7.4	5.0	41.9	45.7	2.0	12470	13460	892
2545-66	P/S 2 x 1/8	D	DND	6.8	5.4	39.8	48.0	3.1	12770	13700	387
2546-66	P/S 2 x 1/8	D	DND	7.0	4.8	41.6	46.6	3.0	12740	13700	644
								OPERATOR OR TRADE NAME:			Mohican
2376-66	N/S 2 x 0	D	DND	4.4	10.7	37.8	47.1	2.8	12830	13430	1034
3588-66	N/S 2 x 0	D	DND	6.1	10.8	31.2	51.9	1.8	12320	13120	1064
								OPERATOR OR TRADE NAME:			Mayfair
3320-66	P/S 2 x ¼	D	DND	3.2	11.8	38.3	46.7	3.2	12700	13130	20
				Upper Freeport Seam				OPERATOR OR TRADE NAME:			Lecco
3281-66	N/S 2 x 0	D	DND	2.9	10.9	34.3	51.9	0.9	12900	13280	73
3282-66	N/S 2 x 0	D	DND	5.8	8.6	33.7	51.9	1.2	12480	13250	485
3518-66	N/S 2 x 0	D	DND	6.9	9.1	33.0	51.0	1.4	12230	13130	512
3519-66	N/S 2 x 0	D	DND	5.5	7.8	34.8	51.9	1.4	12840	13580	144
				District 3, Pittsburgh				OPERATOR OR TRADE NAME:			McWhorter
2177-66	P/S 1¼ x 5/8	D	DVA	2.8	9.6	36.3	51.3	2.6	13190	13580	1500
2475-66	P/S 1¼ x 5/8	D	DVA	2.1	11.5	35.3	51.1	3.0	13000	13280	2000
				Jefferson County				OPERATOR OR TRADE NAME:			Minna, Falls Creek
2121-66	P/S 2 x 1/8	D	DND	3.7	12.5	32.2	51.6	1.5	12760	13260	1049
2152-66	P/S 2 x 1/8	D	DND	8.5	9.8	30.2	51.5	1.3	12390	13540	998
2153-66	P/S 2 x 1/8	D	DND	5.4	10.9	31.3	52.4	1.7	12730	13460	939

IMPORTED COALS
UNITED STATES

STATE: Pennsylvania — Jefferson County — OPERATOR OR TRADE NAME: Minna, Falls Creek

BITUMINOUS COAL (CONT'D)

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	Ash %	Volatile Matter %	Fixed Carbon %	Sulphur %	Calorific Value Btu/lb Gross	Dry Btu/lb Gross	Tonnage Represented By Sample
2762-66	P/S 2 x 1/8	D	DND	2.9	11.1	33.4	52.6	2.2	12950	13340	997
2763-66	P/S 2 x 1/8	D	DND	2.7	10.9	33.3	53.1	2.4	13060	13420	999
2764-66	P/S 2 x 1/8	D	DND	2.5	10.6	33.1	53.8	2.2	13010	13340	944
2812-66	P/S 2 x 1/8	D	DND	2.7	12.7	31.4	53.2	2.6	12850	13200	998
2813-66	P/S 2 x 1/8	D	DND	2.3	10.2	33.1	54.4	2.1	13330	13640	989
2867-66	P/S 2 x 1/8	D	DND	2.7	11.1	32.6	53.6	2.2	13010	13370	1000
2868-66	P/S 2 x 1/8	D	DND	2.3	11.9	33.1	52.7	2.3	13010	13310	999
2869-66	P/S 2 x 1/8	D	DND	2.1	11.0	34.2	52.7	2.5	13170	13440	993
2892-66	P/S 2 x 1/8	D	DND	3.2	10.9	33.5	52.4	2.3	13400	13840	999
2893-66	P/S 2 x 1/8	D	DND	2.7	11.4	33.1	52.8	2.8	12880	13250	994
2956-66	P/S 2 x 1/8	D	DND	2.9	11.8	35.2	50.1	2.6	12780	13160	995
2957-66	P/S 2 x 1/8	D	DND	4.1	10.3	32.6	53.0	2.2	12840	13390	997
2991-66	P/S 2 x 1/8	D	DND	5.1	12.6	33.2	49.1	2.6	12170	12830	999
3163-66	P/S 2 x 1/8	D	DND	3.3	11.3	33.5	51.9	2.0	12870	13300	999
3164-66	P/S 2 x 1/8	D	DND	6.1	12.3	31.1	50.5	1.9	12340	13140	1000
3165-66	P/S 2 x 1/8	D	DND	3.8	12.2	32.6	51.4	1.9	12760	13260	1000
3166-66	P/S 2 x 1/8	D	DND	3.8	11.7	33.2	51.3	2.0	12780	13280	43
2120-66	N/S 2 x 0	D	DND	5.9	13.4	30.9	49.8	1.7	11840	12580	504
2689-66	N/S 2 x 0	D	DND	6.2	12.8	31.2	49.8	1.4	12150	12960	504
3530-66	N/S 2 x 0	D	DND	6.1	10.1	32.4	51.4	1.7	12360	13160	1000
				Pittsburgh No. 8 Seam				OPERATOR OR TRADE NAME: Norton			
3348-66	P/S 2 x 1	D	DND	3.4	8.3	40.7	47.6	3.4	13030	13480	80
3203-66	P/S 2 x ¼	D	DND	2.5	7.5	41.6	48.4	3.5	13330	13680	54
				Clarion Seam				OPERATOR OR TRADE NAME: Regan			
2144-66	P/S	D	DND	2.6	8.7	40.2	48.5	3.9	13330	13690	11
				Harrisville				OPERATOR OR TRADE NAME: Turner			
2671-66	N/S 2 x 0	D	DND	5.9	10.2	30.8	53.1	0.9	12250	13030	75
STATE: West Virginia								OPERATOR OR TRADE NAME: Compass			
2021-66	Nut 2 x 3/4	D	Justice	4.0	8.5	39.5	48.0	3.8	13160	13700	1479
3494-66	Nut 2 x 3/4	D	Justice	3.4	8.8	38.2	49.6	3.0	13140	13600	2000
2187-66	P/S 2 x 1/4	D	DND	3.9	8.3	40.4	47.4	3.3	13330	13870	41
2932-66	N/S 2 x 0	D	DND	2.9	7.1	40.0	50.0	3.1	13580	13980	542
3064-66	N/S 2 x 0	D	DND	4.1	7.3	39.5	49.1	3.2	13410	13990	636
3207-66	N/S 2 x 0	D	DND	3.5	7.0	41.0	48.5	3.0	13540	14030	587
				Four States				OPERATOR OR TRADE NAME: O'Donnell Mine			
3524-66	Nut 1½ x ½	D	Justice	3.1	7.7	39.2	50.0	2.9	13530	13960	355

IMPORTED COALS
UNITED STATES
BITUMINOUS COAL (CONT'D)

STATE: West Virginia, Fairmont District OPERATOR OR TRADE NAME: American

Sample Number	Size Designation, Inches	Kind of Sample	Sampled By	As Received Moisture %	As Received Ash %	As Received Volatile Matter %	As Received Fixed Carbon %	As Received Sulphur %	As Received Calorific Value Btu/lb Gross	Dry Calorific Value Btu/lb Gross	Tonnage Represented By Sample
2219-66	Slack ¾ x 0	D	DVA	8.3	5.3	32.6	53.8	2.1	13020	14190	162
2181-66	P/S 1¼ x 1/8	D	DND	2.9	6.6	38.5	52.0	2.2	13750	14160	354
									OPERATOR OR TRADE NAME:		Christopher
2232-66	N/S 1¼ x 0	D	Justice	5.0	8.9	34.9	51.2	3.2	12960	13650	
2291-66	N/S 1¼ x 0	D	Justice	6.2	9.4	33.4	51.0	2.9	12730	13560	726
2318-66	N/S 1¼ x 0	D	Justice	5.3	8.0	38.4	48.3	3.5	12960	13690	330
									OPERATOR OR TRADE NAME:		Consol
2220-66	N/S	D	DND	3.8	7.4	37.0	51.8	3.0	13350	13880	1119
				Queen Redstone Seam					OPERATOR OR TRADE NAME:		Buckhannon
2300-66	N/S 2 x 0	D	DND	4.1	8.5	35.9	51.5	2.8	13160	13730	1002
				Pittsburgh Seam, Monongahela County					OPERATOR OR TRADE NAME:		Pathfinder
3478-66	P/S 1¼ x 1/8	D	DND	1.7	8.6	37.8	51.9	2.6	13720	13950	119
				McDowell County					OPERATOR OR TRADE NAME:		Algoma Mine
3351-66	P/S 1 x ½	D	DND	1.8	5.4	25.2	67.6	0.9	14240	14500	68
3202-66	P/S 1 x 1/8	D	DND	2.7	5.0	17.0	75.3	0.6	14590	14990	61
3096-66	P/S ¾ x ¼	D	DPW	1.8	9.2	32.5	56.5	1.2	13830	14080	5

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