



06-Mar-06

Great Northern Timber
Historic Properties
1869 Water Street
Halifax, NS
B3J 1S9

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FINAL REPORT

Attention: Harold Henriksen

Analysis on Dry Basis

Sample	Moisture	Wt. %		ppm	mg/Kg	Heat Value*	
		Ash	S(Total)	Cl	N (Dry)	BTUs/lb (Dry)	MJ/KG (Dry)
Sa#1 Hardwood	40.97					8437	18.49
Sa#2 Hardwood	42.68					8620	18.92
Hardwood Comp.	40.72	0.73	0.053	80	160	8569	18.80
Red Maple	39.45	0.92	0.085	72	195	8336	18.26
Yellow Birch	43.11	0.52	0.086	45	205	8303	18.18

Sample	Gross	Net**
	Cal. Value MJ/KG (Dry)	Cal. Value MJ/KG
Sa#1 Hardwood	19.62	9.97
Sa#2 Hardwood	20.05	9.86
Hardwood Comp.	19.93	10.21
Red Maple	19.39	10.15
Yellow Birch	19.31	9.35

*Assumes 5.50% hydrogen content

**Assumes 5.50% hydrogen content, moisture correction


Daniel Chevalier
Lab Manager



DALHOUSIE
University

29-Mar-06

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Attention: Harold Henriksen

Re: Results of ICP OES analysis on wood ash.

MINERALS ENGINEERING CENTRE

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Oxide	Yellow Birch	Red Maple	Hardwood 1+2 Comb.
Al ₂ O ₃	0.75	0.58	0.28
BaSO ₄	1.49	0.45	0.56
CaO	53.18	49.37	39.98
Fe ₂ O ₃	1.19	1.24	0.45
K ₂ O	22.15	19.69	14.35
MgO	6.68	5.64	6.55
MnO	3.64	2.91	3.77
Na ₂ O	0.86	0.60	0.23
P ₂ O ₅	2.74	1.93	2.89
SiO ₂	4.75	12.11	3.33
TiO ₂	0.02	0.01	0.01
Total	97.47	94.52	72.40

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