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**Report No:** USR:W212-0135-02  
**Issue No:** 1  
*This report replaces all previous issues*

# Analytical Test Report

**Client:** MEACH COVE TRUST  
 PO Box 309  
 Shelburne VT 05482  
**Attention:** Christopher Davis  
**PO No:**

**Signed:**  
  
 Kevin Anderson  
 IT Manager  
**Date of Issue:** 2/3/2012  
THIS DOCUMENT SHALL NOT BE REPRODUCED EXCEPT IN FULL

**Sample Details**  
**Sample Log No:** W212-0135-02      **Sample Date:**  
**Sample Designation:** Meach Cove Switch Grass      **Sample Time:**  
**Sample Recognized As:** Pellets      **Arrival Date:** 1/31/2012

## Test Results

	METHOD	UNITS	MOISTURE FREE	AS RECEIVED
Moisture Total	ASTM E871	wt. %		8.02
Ash	ASTM D1102	wt. %	6.63	6.06
Volatile Matter	ASTM D3175	wt. %	75.17	68.73
Fixed Carbon by Difference	ASTM D3175	wt. %	18.01	17.02
Sulfur	ASTM D4239	wt. %	0.189	0.173
SO <sub>2</sub>	Calculated	lb/mmbtu		0.442
Net Cal. Value at Const. Pressure	ISO 1928	GJ/tonne	17.59	15.99
Net Cal. Value at Const. Pressure	ISO 1928	J/g	17593	15986
Gross Cal. Value at Const. Vol.	ASTM E711	J/g	18880	17262
Gross Cal. Value at Const. Vol.	ASTM E711	Btu/lb	8117	7422
Carbon	ASTM D5373	wt. %	45.52	41.61
Hydrogen	ASTM D5373	wt. %	5.92	5.41
Nitrogen	ASTM D5373	wt. %	0.86	0.79
Oxygen	ASTM D3176	wt. %	40.89	37.93
Chlorine	ASTM D6721	mg/kg	2517	2301
Fluorine	ASTM D3761	mg/kg		
Mercury	ASTM D6722	mg/kg		
Bulk Density	ASTM E873	lbs/ft <sup>3</sup>		
Fines (Less than 1/8")	TPT CH-P-06	wt. %		
Durability Index	Kansas State	PDI		
Sample Above 1.50"	TPT CH-P-06	wt. %		
Maximum Length (Single Pellet)	TPT CH-P-06	inch		
Diameter, Range	TPT CH-P-05	inch		to
Diameter, Average	TPT CH-P-05	inch		
Stated Bag Weight	TPT CH-P-01	lbs		
Actual Bag Weight	TPT CH-P-01	lbs		

**Comments**

