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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*  
 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

### ASH FUSION - ASTM D1857

#### Reducing Atmosphere

Initial Def. Temp.	2230 ° F
Softening Temp.	2360 ° F
Hemispherical Temp.	2450 ° F
Fluid Temp.	2590 ° F

#### Oxidizing Atmosphere

Initial Def. Temp.	2335 ° F
Softening Temp.	2460 ° F
Hemispherical Temp.	2545 ° F
Fluid Temp.	2690 ° F

### MINERAL ANALYSIS OF ASH - ASTM D3682

Silicon Dioxide in Ash	wt. %
Aluminum Oxide in Ash	wt. %
Titanium Dioxide in Ash	wt. %
Iron Oxide in Ash	wt. %
Calcium Oxide in Ash	wt. %
Magnesium Oxide in Ash	wt. %
Potassium Oxide in Ash	wt. %
Sodium Oxide in Ash	wt. %
Sulfur Trioxide in Ash	wt. %
Phosphorus Pentoxide in Ash	wt. %
Strontium Oxide in Ash	wt. %
Barium Oxide in Ash	wt. %
Manganese Dioxide in Ash	wt. %
Undetermined	wt. %
<b>Total</b>	<b>wt. %</b>

## Comments

