

# PFI STANDARDS PROGRAM

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Mifflintown, PA & Lac- Mégantic, QC



# Overview

## ENERGEX

- WHO WE ARE •
- Missing the Boat •
- Changes Made •
  - NOW •
  - FUTURE •
- Program Benefits •



WHO  
**WE ARE**

WOOD PELLET FUEL MANUFACTURER

250,000 TON ANNUAL CAPACITY

FOUNDED IN 1993



MIFFLINTOWN, PA

STARTED IN LAC-MÉGANTIC, QC

EXPANDED TO MIFFLINTOWN, PA IN 2000

HARDWOOD, SOFTWOOD, AND BLEND PELLETS



LAC-MÉGANTIC, QC

**ASH  
TESTING**

**DATA  
COLLECTION**

*Needs*  
**Improvement**

**TESTING  
INTERVALS**

*QUALITY*

**BULK  
DENSITY**

**Assurance**

**TRAINING**

**RAW  
MATERIAL  
HANDLING**

**QUALITY  
MANUAL**

**THIRD  
PARTY  
CROSSCHECKS**

# CHANGES WE MADE

## 1 SPREADSHEETS

Moved away from static files to live data on a centralized data center.

## 2 METHODS

Decreased testing intervals, upgraded personnel, expanded raw material area.

## 3 EQUIPMENT

Updated equipment, re-calibrated current equipment, upgraded lab area.

## 4 PROCEDURES

Started using actual testing procedures instead of "normal in-house" procedures.



**LAB UPGRADES**  
*Quality Assurance*



# Where We Are Today

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- Initial Inspections With Timber Products (February 2014)
  - Standards Program for Raw Material Suppliers
  - Establishing QA/QC Program
  - Reviewing PA Inspection Data
  - Adding Bi-Lingual QC Position In Lac-Mégantic Facility
  - [www.energex.com](http://www.energex.com)
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# THE ROAD AHEAD

Both Plants Enrolled in Program Fall 2014

Upgraded Scale Software

Instituting Plantwide Training Program

Finalizing Updated Quality Manual



BENEFITS



# Energex

**PFI GRADED FUEL**



**PFI Densified Fuel Grade: Premium**

**Grade Requirements:**

Reg. #1234

Bulk Density:	40–46 lbs/ft <sup>3</sup>
Diameter:	.230–.285 in./5.84–7.25 mm
Durability:	≥96.5
Fines:	<0.50%
Ash Content (as received):	<1%
Length:	<1% >1.5 in.
Moisture:	<8.0%
Chlorides:	<300 ppm

**Manufacturers Guaranteed Analysis:**

Type of Material:	Softwood fiber
Additives:	2.0% corn oil by weight
Minimum Higher Heating Value (as received):	8,000 BTU

- Improvement/Helps Us Make A Better Product
- Maximize Production Efficiency
- Professional Lab Expertise
- Marketing



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