



PFI Standards Program Update:
PFI Annual Conference
Sawgrass - 2011

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Co-Chair, PFI Standards Committee



PFI Plans to Select The American Lumber Standards Committee (ALSC) as PFI's Accreditation Body



Why ALSC???

- ALSC is very experienced in overseeing similar programs:
 - White lumber, pressure treated lumber, pallets, packaging for exported lumber
- ALSC currently accredits several auditing agencies that provide auditing services at relatively low cost
- ALSC is nationally and internationally recognized and is acceptable to the US EPA for NSPS compliance



Program Document Revisions

- All program documents dated October 25, 2010 will be replaced with updated documents
- There are numerous wording revisions to all documents
- Certification System's Document is no longer considered an official program document and has been renamed – “PFI North American Grading and Quality Management System for Residential/Commercial Densified Fuel”



Program Document Revisions

- The Enforcement Regulation document is officially owned by ALSC
- All references to “Certified” have been removed from all documents
 - Certification Body = Accreditation Body
 - Certification Mark = Quality Mark
 - Certified Fuel = Graded Fuel
 - Certified = Qualified



Program Document Revisions

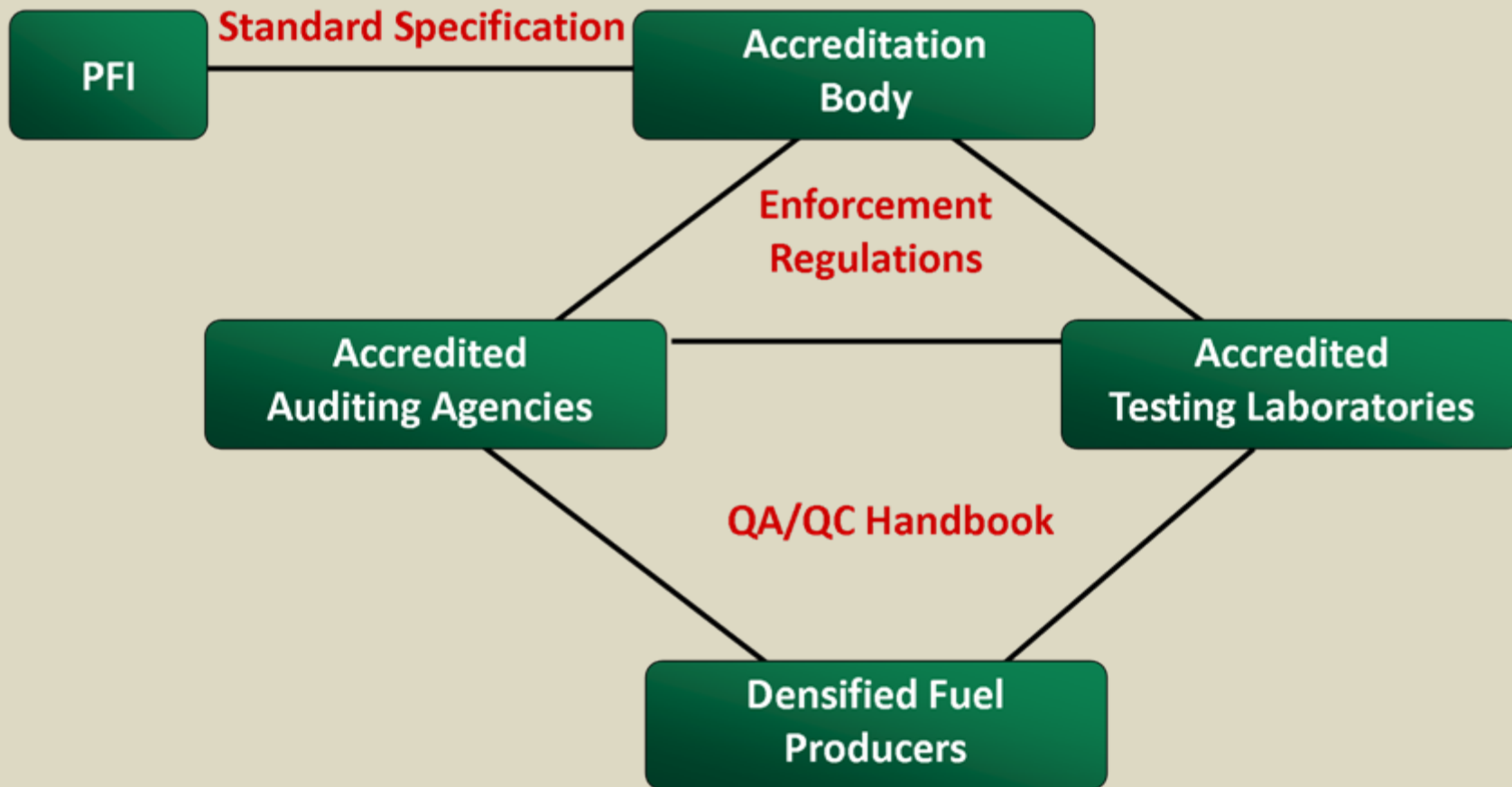
- The Standard Specifications document has been restructured
- Heating value is normative instead of informative
- Language regarding how fees are collected has been removed
- PFI pursues misuse of the Quality Mark
- Internal laboratories are no longer required
- Inspection & re-inspection criteria (95% compliant with 10%/2% rule)



New Structure PFI's Program

Issuer / Maintainer / Promoter

Implementer / Enforcer





Next Steps

- Language in a formal agreement to be finalized
- Both ALSC and PFI boards will review the agreement and program documents for final approval
- When there are resolutions to accept the program on both sides both PFI and ALSC will then sign a formal agreement
- Auditors and laboratories apply for accreditation under the program



Chemically Treated and/or Contaminated Materials

6.7 Raw Material Control

“Chemically treated materials as defined in section 4.5 must not be accepted as raw material for PFI certified densified fuel. Construction waste debris and post consumer recycled wood may only be used if the materials are verified to be clean in accordance with the procedures outlined in Appendix A.”



Appendix A

PFI Residential/Commercial Densified Fuel QA/QC Handbook

Appendix A

Pellet Fuels Institute

Standard Operating Procedure for:

Sorting Construction Waste Debris & Post Consumer Recycled Wood

Content to be Determined:



Super Premium Is No Longer a Grade

Fuel Property	Residential/Commercial Densified Fuel Standards See Notes 1 & 2		
	PFI Premium	PFI Standard	PFI Utility
Normative Information - Mandatory			
Bulk Density, lb./cubic foot	40.0 - 46.0	38.0 - 46.0	38.0 - 46.0
Diameter, inches	0.230 - 0.285	0.230 - 0.285	0.230 - 0.285
Diameter, mm	5.84 - 7.25	5.84 - 7.25	5.84 - 7.25
Pellet Durability Index	≥ 96.5	≥ 95.0	≥ 95.0
Fines, % (at the mill gate)	≤ 0.50	≤ 1.0	≤ 1.0
Inorganic Ash, %	≤ 1.0	≤ 2.0	≤ 6.0
Length, % greater than 1.50 inches	≤ 1.0	≤ 1.0	≤ 1.0
Moisture, %	≤ 8.0	≤ 10.0	≤ 10.0
Chloride, ppm	≤ 300	≤ 300	≤ 300
Informative Only - Not Mandatory			
Ash Fusion	NA	NA	NA
Heating Value	NA	NA	NA



Rules of the Mark

- Higher heating valued stated as-received and must reflect a minimum BTU guarantee – verified by audit
- Manufacturers may provide other guarantees as long as their claims are demonstrated through audit (e.g. Ash Content As-Received: <0.50%)

PFI GRADED FUEL



PFI Densified Fuel Grade: Premium

Grade Requirements:

Reg. #1234

Bulk Density:	40–46 lbs/ft ³
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
Other Manufacturers Guarantees:	

*Approved Auditing Agency Logo
Displayed Here*

©

For more information, please visit the PFI website at www.pelletheat.org.



Program Costs

- PFI Enrollment and Operations Fees
 - Used to cover the cost of promotions, legal, technical development, R&D, etc.
- Internal Laboratory & QA/QC Program Development
- Third Party Laboratory Testing Services
- Auditing Services
- ALSC's cost to administer the program



Program Costs

Initial Estimate Range
\$0.50 – \$0.70 per ton



“Pledge Letter”
26 companies
representing
40 pellet
production
facilities have
signed



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PFI Standards Program Pledge

My company is committed to participating in the PFI Standards Program. Based on the information we have and PFI's pledge to pursue an aggressive campaign to educate the public and all levels of the industry about the benefit of this program, we expect to begin the fuel certification process as soon as auditors are available in our region.

We support the use of consistent, third party audited standards, and the quality control which these standards represent, as a key component of the growth of the use of pelletized biomass in North America.

I am authorized to express my company's intention to participate in the PFI Standards Program as set forth herein.

Company _____
Name _____
Signed _____
Title _____
Date _____

*A North American trade association promoting energy independence through
the efficient use of clean, renewable, densified biomass fuel.*



Educating the Industry

Training Opportunity on July 26th

PFI Standards Program Symposium

Presentation available to everyone

PFI Pellet Fuel Standards:

What Retailers Need to Know



Thank You!

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