

EASTERN RED CEDAR REGISTRY BOARD

REGULAR MEETING

Friday, May 16, 2014
10:00 a.m.

Agriculture Building
CPS Conference Room
2800 N. Lincoln Blvd.
Oklahoma City, Oklahoma 73105

1. Call to Order

2. Roll Call

Gary Bledsoe – Chairman
Bruce Brown – Vice Chairman
Dr. Salim Hiziroglu
Elmer Maddux
Jim Reese
Mike Thralls
Scott Thompson
Bob Thompson
Paul Todd
Steven Glasgow

3. Declaration of a Quorum

4. Introduction of Guests

5. Consideration and Proposed Action on Minutes of Regular Board Meeting of March 14, 2014

6. Presentation – Colin Craige, OSU Graduate Student, Biosystems and Agricultural Engineering - *Development of the OSU Eastern Redcedar Supply Chain Model*

Mr. Craige discussed the results of two studies that were published in *Biocatalysis and Agricultural Biotechnology Journal*. The first study involved essential oils from plants that are known to inhibit yeast and amylase activity. The results the study suggested that redcedar oil should be removed prior to enzymatic hydrolysis and fermentation for efficient ethanol production using redcedars. (Ramachandriya, K.D., et al., Influence of Eastern Redcedar oil on enzymatic hydrolysis of microcrystalline cellulose and *Saccharomyces cerevisiae* fermentations. *Biocatal.Agric.Biotechnol.* (2014)).

The second study investigated the effect of two wood zones (sapwood versus heartwood) and size reduction techniques. The conclusion was that crumbled (Crumbles® is a registered trademark of Forest Concepts, LLC, Auburn, WA, USA) redcedar (2.5 mm particle size) and ground redcedar (0.5 mm particle size) produced similar wood glucan-to-ethanol yields showing that the low energy consuming size reduction process developed by Forest Concepts, LLC was effective and no further size reduction of crumbled particles was required before or after acid bisulfite pretreatments. The results demonstrated that ethanol can be produced from both sapwood and heartwood, but sapwood had a 12% greater wood glucan to ethanol yield than did heartwood. (Ramachandriya, K.D., et al., / *Bioresource Technology* 161 (2014) 1-9)

7. Reports

Education

Dr. Hiziroglu reported that the Aromatic Cedar Association would be holding their annual meeting in Fairview, OK, on October 18, 2014.

Marketing

Mr. Bledsoe gave an update on the wood burning boiler project for the federal prison in El Reno. There are complications with the piping and the State of Oklahoma will have to expend funds to replace the pipes.

Prescribed Fire

Mr. Bledsoe reported that the Cross Timbers Prescribed Burn Association, Lincoln County, is looking at summer burns, assuming drought conditions and burn bans will allow the burns.

8. Old Business - None

9. New Business – Bruce Brown announced his resignation from the Eastern Redcedar Registry Board, but he will continue to serve until a replacement is found.

Next meeting scheduled for Friday, August 15, 2014

10. Adjournment – The meeting adjourned at 11:32 a.m.