MINUTES

EASTERN REDCEDAR REGISTRY BOARD

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

The Eastern Red Cedar Registry Board met in regular session at 10:00 a.m., May 16, 2014, in the Consumer Protection Services Conference Room of the Agriculture Building, 2800 N. Lincoln Blvd., Oklahoma City, Oklahoma. Written notice of this meeting was filed with the Secretary of State and posted on the Department of Agriculture, Food, and Forestry website. A notice was posted on the door of the Agriculture Building 24 hours prior to the meeting setting forth the date, time, place, and agenda for the meeting.

Members Present:  Gary Bledsoe
                  Bruce Brown, Vice Chairman
                  George Geissler (Designee for Jim Reese)
                  Dr. Salim Hiziroglu
                  Richard McDaniel (Designee for Scott Thompson)
                  Bob Thompson
                  Mike Thralls

Members Absent:  Steven Glasgow
                 Elmer Maddux
                 Paul Todd

Mr. Bledsoe called the meeting to order and a quorum was declared.

Mr. Bledsoe welcomed Ken Windle; Dr. Craig McKinley, Aromatic Cedar Association, Brent Kisling, Economic Development, Enid; Collin Craig, graduate student at OSU; Mark Wilkins, Associate Professor, OSU.

Bob Thompson moved, Dr. Hiziroglu seconded, to approve the minutes as presented of the March 14, 2014, meeting of the Eastern Red Cedar Registry Board.

Presentation

Colin Craige, OSU Graduate Student, Biosystems and Agricultural Engineering, gave a presentation on the 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 Saccharomycyes 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)

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 state prison at Ft. Supply. 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.

There was no Old Business to take action upon.
New Business – Bruce Brown announced his resignation from the Eastern Redcedar Registry Board, but said he would continue to serve until a replacement is found.

The next ERC Registry Board meeting will be held on August 15, 2014.

The meeting adjourned at 11:32 a.m.

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Chairman, Eastern Red Cedar Registry Board

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Executive Secretary