
From: "Yanochko, David M." <dmyanochko@ftch.com>
To: "Melissa Byrnes" <byrnesm@michigan.gov>
Date: 7/31/2008 1:00 PM
Subject: WCEV Application No. 317-07 Requested Information Re: Maximum Biomass Firing Rate
CC: "William Presson" <PressonW@michigan.gov>, "Brian Warner" <bwarner@wpsci.com>, "Kohl, Steven" <SKohl@wnj.com>, "Campbell, William" <WCampbell@ensr.aecom.com>, "Rainio, Aku" <ARainio@roe.com>, "Caudell, John F." <jfcaudell@FTCH.com>, "Linck, Jacquelyn" <jflinck@FTCH.com>, "Susan, James" <jasusan@FTCH.com>

Melissa - Thank you for your inquiry regarding the basis for WCEV proposing to permit up to 20% biomass as fuel for the CFB boilers. You have called our attention to the fuel study provided in the original permit application as Appendix 2 which stated:

"Biomass, in the form of woodchips, wood pellets, or switchgrass, was also considered for blending with coal. The CFB combustion process can generally accept biomass in amounts of up to 10 percent. Depending on the quantity and type of biomass, special material handling equipment may be required to receive the biomass and deliver it properly to the boiler. The use of biomass could give CO₂ give emissions credit to the power plant and will make constructive use of local waste products."

On a generic basis, a CFB boiler can be expected to be capable of accommodating up to 10% biomass as fuel. However, CFB boiler systems can be expressly designed to accommodate higher percentages of biomass where the boiler owner makes such a determination. Based upon discussions with boiler vendors with regard to the nature of the boiler modifications that would be necessary to accommodate varying percentages of biomass, Wolverine made the decision to adjust the design of the boiler systems to be capable of accommodating up to 20% biomass as fuel if permitted to do so.

Please let me know if you have any further questions regarding this matter.

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