**From:** Brad James
**To:** McWade, Tammy
**Subject:** RE: West Fraser Whitehouse Mill - Kiln Burners Emissions
**Date:** Thursday, June 26, 2014 3:01:59 PM

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Sure – I understand for the project description. I will follow-up with West Fraser and see what data is currently available for the final design regarding the size/capacity of the storage unit.

Best Regards,

.....

**Brad James, P.E.**
Managing Consultant

**Trinity Consultants**
53 Perimeter Center East, Suite 230 | Atlanta, Georgia 30346

Office: **678-441-9977** | Mobile: 704-258-4514
Email: bjames@trinityconsultants.com

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**From:** McWade, Tammy [mailto:Tammy.McWade@dep.state.fl.us]
**Sent:** Thursday, June 26, 2014 12:17 PM
**To:** Brad James
**Subject:** FW: West Fraser Whitehouse Mill - Kiln Burners Emissions

I am not regulating the size. I am using it as a nominal…. (description).

*Tammy T. McWade*
**Engineer Specialist IV**
**Florida Department of Environmental Protection**
**Division of Air Resource Management (DARM)**
**Office of Permitting and Compliance (OPC)**
**Phone: 850/717-9086**
**GIC: 59586**

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**From:** McWade, Tammy
**Sent:** Thursday, June 26, 2014 12:15 PM
**To:** 'Brad James'
**Subject:** RE: West Fraser Whitehouse Mill - Kiln Burners Emissions

Hi Brad,

Can you find out what the capacity of the new and existing fuel storage silo is?

Thanks.

Tammy

*Tammy T. McWade*
**Engineer Specialist IV**
**Florida Department of Environmental Protection**
**Division of Air Resource Management (DARM)**
**Office of Permitting and Compliance (OPC)**
**Phone: 850/717-9086**
**GIC: 59586**

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**From:** Brad James [mailto:BJames@trinityconsultants.com]
**Sent:** Tuesday, June 24, 2014 6:15 PM
**To:** McWade, Tammy
**Subject:** West Fraser Whitehouse Mill - Kiln Burners Emissions

Tammy,

Per our discussions today, I wanted to provide clarification on the new kilns/burners emissions calculations for the Whitehouse Mill. As identified in Section 1.1 of the PSD permit application, the existing three (3) burners that are designed to fire wood or propane will be removed. Two (2) new 40 MMBtu/hr dry shavings burners will be installed with the two (2) new drying kilns. Therefore, the new burners will not combust propane but instead dry shavings/biomass only. The potential emissions identified in Table C-7 (Appendix C) for the two (2) new continuous kilns include the emissions from the drying operations and the dry shavings combustion for criteria pollutants and greenhouse gases.

To confirm, no dual fired burners will be used, just dry shavings burners for the two new kilns. Therefore, the provided potential emissions for the kilns is the "worst-case" emissions scenario since the dry shavings/biomass is the only fuel combusted in the burners and propane will not be used.

Tables C-1 and C-2 provide propane combustion information for the existing kiln burners only (that will be removed as part of the project).

I did identify that the process flow diagram incorrectly referenced propane as the combustion fuel for the new kiln burners, and have attached an updated process flow diagram (Appendix B) indicating the only fuel source (dry shavings/biomass).

Let me know if you have any additional questions regarding the PSD applicability analysis.

Best Regards,

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**Brad James, P.E.**
Managing Consultant

**Trinity Consultants**

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