

US EPA ARCHIVE DOCUMENT

From: [Peters, Howard S](#)
To: [Wilson, Aimee](#); [Javier Garza \(javier.garza@tceq.texas.gov\)](mailto:javier.garza@tceq.texas.gov)
Cc: [Lundgren, Andrew A.](#); [Trebatoski, Robert J.](#); [Sharma, Rohit K](#)
Subject: RE: Equistar Corpus Christi Olefins Expansion - GHG Additional Information
Date: Wednesday, February 12, 2014 10:23:44 AM

Aimee,

Per your email below the following are responses to your questions:

- The design basis for the increase in the nominal capacity of the facility is 810 million more pounds of ethylene per year at 8,430 operating hours per year. During a 8,760 hour operating year the nominal capacity of the would be 847.1 million additional pounds of ethylene. The plant may produce other products at varying amounts, but ethylene is the primary product.
- The majority of the energy efficiencies listed in Table 6-4 are currently existing at the facility, and will be maintained as part of the expansion project. The only completely new feature will be the burner design with new ultra-low NOx burners designed with minimum excess air.

If you have any further questions or need additional detail please let me know.

Thank you,

H. Scott Peters

From: Wilson, Aimee [mailto:Wilson.Aimee@epa.gov]
Sent: Tuesday, February 11, 2014 11:30 AM
To: Peters, Howard S; Javier Garza (javier.garza@tceq.texas.gov)
Cc: Lundgren, Andrew A.; Trebatoski, Robert J.; Sharma, Rohit K
Subject: Equistar Corpus Christi Olefins Expansion - GHG Additional Information

I have a few more questions.

What is the increase in the plants nominal capacity because of this project?

Are the energy efficient design technologies on the furnaces/steam superheaters already in use?
Are any changes being made as part of the project to improve the energy efficiency of these units?
The revised application refers to section 6.1.3.3., but that is Step 3 of the N₂O BACT analysis for the furnaces. Table 6-4 is "Summary of Energy Efficient Options for the Furnaces" but it is not clear if these are "new" features that are part of the modification, or existing features. Please clarify.

Thanks,
Aimee

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