

US EPA ARCHIVE DOCUMENT

## Toups, Brad

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**From:** Toups, Brad  
**Sent:** Tuesday, April 22, 2014 7:28 AM  
**To:** 'Graham Donaldson'  
**Subject:** RE: voestalpine

Hi Graham,

We are targeting publishing this Thursday. We have got the logistics worked out, but thanks for asking. Hopefully we will get authority to publish notice very soon.

There are two pieces of info I asked for last Friday that I have not yet seen: The approx dollar cost of the project as a whole (I think it is \$0.9 Billion but am not sure) and also, the design average composition of the reducing gas (design or expected gas analysis), both prior to and after passing thru the reactor furnace after the plant has been operating at normal operating conditions for several days.

Thanks Graham,  
Brad

## Toups, Brad

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**From:** Graham Donaldson [Graham.Donaldson@erm.com]  
**Sent:** Tuesday, April 22, 2014 8:40 AM  
**To:** Toups, Brad  
**Cc:** Robinson, Jeffrey; Matthias.Pastl@voestalpine.com; Herbert.Mizelli@voestalpine.com; Johann.Prammer@voestalpine.com; John Hollar  
**Subject:** RE: voestalpine's SOB for review

Hello Brad

With regards to the requested information:

Item 1: \$740 Million

Item 2: Reducing gas before iron reduction (Bustle) and after (Top Gas)

Constituent	Bustle Gas (%vol)	Top gas (%vol)
H2	53.6	36.7
CO	34.6	19.4
CH4	3.5	2.7
CO2	2.3	15.8
H2O	5.5	25
N2	0.4	0.5

Please let us know if you need anything else.

Kind regards

Graham