

**Brian Lusher**

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**From:** John\_Lague@URSCorp.com  
**Sent:** Friday, May 28, 2010 1:14 PM  
**To:** Brian Lusher  
**Cc:** Peter.Landreth@mirant.com; jon.sacks@mirant.com; chuck.hicklin@ursscorp.com  
**Subject:** Fw: Question about purge step in the 5000F startup procedures.

Brian,

Just to clarify, please see the following:, which is a bit different from what I sent earlier:

- On a normal startup, the unit has been “pre-purged” and therefore purge doesn’t enter into the start sequence.
- After a failed start or turbine trip, the unit has to coast down to turning gear speed (and the faults have to be cleared). It takes about 20 minutes to coast down from 3600 rpm. On the restart, the unit needs to be purged. Siemens didn’t say how long this will take but, as you noted, it involves no emissions.

Thanks - jsl

John Lague  
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----- Forwarded by John Lague/SanDiego/URSCorp on 05/28/2010 11:38 AM -----

**"Hicklin, Chuck"**  
<chuck.hicklin@mirant.com>

05/28/2010 11:32 AM

To"John\_Lague@URSCorp.com"  
<John\_Lague@URSCorp.com>  
cc"Landreth, Peter" <Peter.Landreth@mirant.com>,  
"Sacks, Jon" <jon.sacks@mirant.com>  
SubjectRE: Question about purge step in the 5000F startup  
procedures.

John,  
Just to clarify:

- On a normal startup, the unit has been “pre-purged” and therefore purge doesn’t enter into the start sequence.
- After a failed start or turbine trip, the unit has to coast down to turning gear speed (and the

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faults have to be cleared). It takes about 20 minutes to coast down from 3600 rpm. On the restart, the unit needs to be purged. Siemens didn't say how long this will take but, as you noted, it involves no emissions.

Chuck

**From:** John\_Lague@URSCorp.com [[mailto:John\\_Lague@URSCorp.com](mailto:John_Lague@URSCorp.com)]  
**Sent:** Friday, May 28, 2010 11:14 AM  
**To:** blusher@baaqmd.gov  
**Cc:** Landreth, Peter; Hicklin, Chuck  
**Subject:** Question about purge step in the 5000F startup procedures.

Brian

Chuck Hicklin of Mirant consulted with Siemens regarding your question of when a purge step would be required as part of a turbine startup for MLGS. The bottom line is that in a normal situation, the purge step doesn't occur at all. A purge does need to be done after a failed start or turbine trip. This step, which involves no emissions of air pollutants to the atmosphere, would occur over a waiting period of about 20 minutes before a new start could be initiated after a failed one.

Regards - jsl

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6/24/2010