

FLASHJET® Service Bulletin

Bulletin Title:	Potential fill-up of the Environmental Capture System (ECS) carbon tub scrubber with effluent or water.
Bulletin No.:	05.14.03-01

To:	FLASHJET System Users
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Priority:	Medium
Safety Level(s):	CAUTION(s) (See Below)
Problem Description:	Potential build-up of paint ash residue, effluent or water, in the ECS carbon tub scrubber may cause a gradual drop in air volume pressure affecting the effluent capture rate over a period of time.
Symptoms:	Gradual drop in ECS air volume pressure.
Causes:	Effluents-such as paint ash maybe getting around the filters by the filter doors clogging the ECS tub scrubber. Another possibility maybe rainwater entering the tub scrubber through the exhaust stack causing the charcoal to harden and not remain effective.
Prevention or Corrective Action:	<p><u>NOTE:</u> Symptoms can also be attributed to ECS Duct leaks. Determine that no leaks are present before performing the following steps.</p> <p><u>NOTE:</u> Symptoms can also be attributed to effluent and/or paint ash residue on the ECS fan impeller and fan housing. (See <i>FLASHJET Technical Service Bulletin 11.21.02-01</i>)</p> <p><u>NOTE:</u> The following maintenance procedure is a site-specific action, based on system usage. Some FLASHJET System users may never encounter this problem. Other users, such as WR-ALC, may need to monitor the Symptoms and establish, i.e. schedule, a Preventive Maintenance Action.</p> <p><i>(Following is a detailed maintenance procedure to remove and re-install the ECS carbon tub scrubber assembly)</i></p> <p><u>MAINTENANCE PROCEDURES:</u></p> <ol style="list-style-type: none"> 1. Secure power to the ECS using lock-out, tag-out procedures. 2. Remove the air volume indicator probe from the duct leading to the carbon tub scrubber and secure it out of the way. (Complete this step only if your system has the air volume indicator probe located on the exhaust side of the filter housing.) 3. Remove the 10 inch exhaust duct on top of the ECS filter housing. <i>(Six bolts with a silicone seal should hold it in place.)</i> 4. Remove the 10 inch intake duct on top of the ECS carbon tub scrubber. <i>(Four screws and two clamps around a rubber collar with a silicone seal should hold it in place.)</i> 5. Remove the 10 inch exhaust duct from the top of the ECS carbon tub scrubber. <i>(Four screws and two clamps around a rubber collar with a silicone seal should hold it in place.)</i>

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	<ol style="list-style-type: none">6. After all of the ducting is removed from the ECS Carbon tub scrubber remove the tub scrubber with a forklift or similar lifting device.7. Place the new ECS tub scrubber in the same location as the one removed.8. Re-install the exhaust duct on the top of the filter housing with the hardware that was removed/provided. NOTE: Some aligning of the tub scrubber to the filter housing maybe needed to align the bolt holes. (Apply a bead of silicone sealant to the ducting to ensure a good seal.)9. Re-install the intake duct on top of the ECS tub scrubber with the hardware that was removed/provided. (Apply a bead of silicone sealant to the ducting to ensure a good seal.)10. Re-install the exhaust duct on the ECS tub scrubber with the hardware that was removed/provided. (Apply a bead of silicone sealant to the ducting to ensure a good seal.)11. Re-install the air volume probe. (If applicable)12. Remove the lock-out tag-out locks and test the system. NOTE: Lower the Hz setting on the control panel to 48Hz so damage to the zipper ducting does not occur.
CAUTION:	<i>Assure that ECS Electrical supply is Locked Out / Tagged Out prior to performing this Maintenance Procedure.</i>
CAUTION:	<i>Avoid inhalation of loose particulate when removing ECS duct assemblies. Material is not known to be hazardous. However, error on the side of caution is recommended – meaning consider and handle the material as if hazardous. Paper filter masks and gloves are recommended as a minimum.</i>

ECS Carbon Tub Scrubber Reactivation Instructions:

For instructions on getting your ECS tub scrubber reactivated call:

Waites Company Inc.
14 Sunnen Dr. Suite 144
Maplewood, MO 63143-3800
POC: John Waites
Office # (314)644-5556