

Sherry W. Black  
**CATERPILLAR**  
 36 County Road 166  
 Oxford, MS 38655

September 10th, 2008

**Subject: Absolent Mist/Smoke Collection System Inspection.**

<b>CAT Asset Identification #</b>	<b>B1179</b>	<b>B1177</b>	<b>B1180</b>	<b>B1181</b>	<b>B1178</b>
<b>Serial Number #</b>	<b>20080218</b>	<b>20080216</b>	<b>20070655</b>	<b>20070656</b>	<b>10080217</b>
<b>CAT Header Model</b>	<b>1500</b>	<b>1500</b>	<b>1875</b>	<b>1875</b>	<b>1250</b>
Outdoor Ambient Reading	0.110mg/m3	0.110mg/m3	0.110mg/m3	0.110mg/m3	0.110mg/m3
Plant Indoor Ambient Reading	0.239-0.406 mg/m3	0.239-0.406 mg/m3	0.239-0.406 mg/m3	0.239-0.406 mg/m3	0.239-0.406 mg/m3
Ambient Floor Level Finished Parts	0.353mg/m3	0.353mg/m3	0.325mg/m3	0.325mg/m3	NOT RUNNING
Ambient Operator Level	0.406mg/m3	0.406mg/m3	2.57mg/m3	2.57mg/m3	NOT RUNNING
Ambient Mist Collector Platform	0.832mg/m3	0.832mg/m3	0.529mg/m3	0.529mg/m3	NOT RUNNING
Exhaust Emissions from Absolents	0.004mg/m3	0.010mg/m3	0.002mg/m3	0.160mg/m3	0.009mg/m3
Pressure Drop Stage I	2.0" IN WG	8.0" IN WG	6.0" IN WG?	8.0" IN WG	1.5" IN WG
Pressure Drop Stage II	1.5" IN WG	1.0" IN WG	?	1.0" IN WG	2.0" IN WG
Pressure Drop Stage III HEPA	.75" IN WG	0.50" IN WG	?	.65" IN WG	1.75" IN WG

**Notes/Action Plan:**

Install IAQ provided pre-filters and tracks on ALL headers  
 Secure or fasten inlet plates (tek-screws).  
 Inspect header model #1875 gauge tubing (clean and clear).  
 Wash customer's spent cassettes and instruct on how to surface clean the front face of cassettes.  
 Moly/Phosphate coating is creating a "sludge" like contaminant on the face of the fiber bed filters; the IAQ provided pre-filter c/w mounting track should eliminate the fiber bed filters from "face loading".  
**Tentative action date for completion with IAQ technicians - September 16th, 2008.**  
**IAQ techs to involve ATS contacts Cory Ross or Stan Sparks with service oversight/supervision.**  
**ATS/CAT to provide assistance with pressure washing equipment and forklifts/area to wash spent filters.**  
 Please reply or call with questions.

Prepared by:

Ken Haga  
 IAQ  
 Mobile: 919.971.1943