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Southern Company Services – SISE Subscription Inspection Examples and Testimonial

Q1 Inspection Performed at a Plant in Alabama – Injection Manifold Issues/Leaks:

CONVEY LINE / INJECTION SYSTEM

23	Convey Line Morris Couplings	Leaks	Alignment	Other (see notes)	Pass	Fail
24	Ceramic Backed Items	Cracks	Leaks	Other (see notes)	Pass	Fail
25	Rubbers Hoses	Cracks	Leaks	Alignment	Pass	Fail

NOTES

Customer Concerns and Items that need to be closely observed between inspections:

- Blower oil levels ok
 - o When was last oil change (in hours)?
- 4 hoses on manifold are drastically misaligned
 - o Work order submitted
- Upstream (Manifold 2) wye has pin hole leak on underside and on right lateral take off (see pictures)
- Hopper expansion joint on Train A starting to crack – something to keep an eye on. (see picture)
- Replacement wyes are too long to fit in current stack up
 - o Working with ADA, Progressive and Site to modify wye to fit

Q2 Inspection Performed at a Plant in MS – Blower Motor VFD Overloading:

- Blower tripping was the main concerned voiced during the trip:
- Blowers found at 45 Hz
 - o Resulted in VFD OL fault on high amp draw
 - Blowers set to 42 Hz on all trains
 - o Amp draws settled in to the 21 range
 - o Pressures settled into the 6.8 – 7.0 PSI range
 - o Basic Program Menu – selection P035
 - Acceleration time on all trains set to 10sec
 - o Done to improve operations in conjunction with feeder on timer in auto mode
 - o Basic Program Menu – selection P039
 - o Now matches unit 2
 - Continue to monitor for changes over the next few days/weeks

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DATE: March 31, 2017
RE: Motus Group Letter of Recommendation
TO: Erik Moe

FROM: Stephen Langham

This letter is intended to describe our recent work experiences with The Motus Group.

In the past year ADA ES subcontracted the Southern Company ACI system warranty work to the Motus Group. The Motus group has performed all of the recent quarterly warranty equipment inspections. The inspections were very thorough and findings were noted and communicated promptly. All open issues have been dealt with swiftly. The Motus group has also proactively adjusted their inspection scope to meet our short term and long term maintenance planning needs.

The Motus Group has been very responsive delivering quality ACI equipment inspection services. Southern Company is currently pursuing a direct services contract with the Motus Group to handle future sorbent injection equipment Inspections.

Respectfully,

Stephen Langham

Principal Engineer Baghouse & Additive Injection
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