

Cliffside Refiners Limited Partnership Meeting

February 26, 2019 @ 10:00 AM

Attendees:

(Cliffside) Emress B. Mark M. Brad H. Tim D. Barry S.
(Downtown) Alex C. Amanda C. Sam B.
(NOC) Both in training
(CRLP) Nick D. Brad B. (Air Products) Sarah F. (Air Products)
Nick H. (Linde) Bobby S. (Praxair) Bob L. (Air Products)
Tony K. (Praxair)

Roll Call

➤ Noted

Antitrust Issues

Nick D.-Provided to list of attendees on call, if anyone has any questions please let me know

1. Plant Outage

Nick D.-Can you give us an update

Mark M.-Restart is going well. Good news is that we are following the new SWIM manuals very closely and we have steady trends, there is no swing going on. The DGA system is working fine and the boiler has been steady all night. Yesterday we should have planned ahead on the methane pump we didn't defrost it early enough.

Nick D.-can you give a time?

Barry S.-I know that once we get the residue gas flow we will have to get the boiler tech to re-validate on high BTU gas settings on the DGA re-boiler. So that will be a process.

Brad B.-Startup last night went well, we are waiting on the methane pump. It is currently on defrost, we should have done that sooner, it is a -100 we should have it freed up in the next 30 min to an hour. The tech is on call so we will call him out whenever we are ready to start tuning. As long as we can relight the boiler in a reasonable amount of time then it won't shut it down. We do have the CO2 analyzer working now too so we have a better idea of what is going on.

Nick D.-I asked Barry for prognosis.

Brad B.-It is 12-24 hours from starting. If we had gotten the pump up and running we could have been going a lot sooner. Again you have lower well head pressure so it takes a little longer to pressure up.

Brad B.-To add to the next shut down, as I have been digging into the CH4 pump defrost. They haven't been using the original design but I will be frank we didn't set that up to be able to pull the pump correctly. They kept saying they need to run a hose over and you really don't, you just need to run a hose over to get nitrogen, but in reality that should be a hard pipe. Not a big deal we will just get it resolved at the next outage.

2. Booster Compressor

Nick D.-The next question is progress, findings, and what are we going to do about the outage.

Why don't we start with the welding repairs, can you give us an update?

Amanda-It is advanced but still in the procurement process. That is all the information that we are authorized to release. You can look at Fed Biz Ops to see that.

Nick D.-Brad are there any other things that you think will be discovered?

Brad B.-There is the vibration on the fin fan, we still have to get that resolved, we know what we need to do. That is out of scope. Yesterday or day before is when we found that there are a lot of rodents and nests in the motor. We will have to give the BLM a list of all the things to be completed so we can sign off on it. There is a fiberglass door on the bottom and you have to take that off to get to the bolts and that is access to the windings and everything. That was discovered when we were starting to do the alignment.

Alex C.-Tim is working with Wilbur to see what kind of testing to be done.

Tim D.-Air Products engineering is being consulted to find out what we need to do to test it.

Brad B.-There is possibility that the windings are damaged and it has been run and we don't know how much of that has been circulated up.

Nick D.-If the results are that there is damage that is a huge problem.

Amanda-If we can get the required testing from CRLP then we will do everything we can to get that testing done within a week.

Nick D.-The welding scope we know pretty well by now don't we?

Amanda-Yes

Nick H.-When can we expect that to be done?

Nick D.-That is what we were talking about will be in Fed Biz Ops. The contracting side is what is frustrating.

3. CHEU Outage Planning

Nick D.-There is a new issue in the outage now and that is line pack. For Praxair and Air Products for the outage and everything that is new you still plan for that. My thinking is no earlier than 11 March and no later than 18 March.

Brad B.-In my mind you don't have to wait on the booster to be complete to do the outage.

Barry S.-This startup that we are in, if this goes smooth with the lower pressure; that proves that we don't have to have the booster immediately after the shutdown.

Nick D.-Selecting the outage date also depends on when the welding can be done and the contract can be complete. Without the information from contracting then we can't set a not sooner than date.