

Cliffside Refiners Limited Partnership Meeting

January 22, 2019 @ 10:00 AM

Attendees:

(Cliffside) Emress B. Mark M. Brad H. Tim D. Rodney C.
Barry S.

(Downtown) Amanda C. Alex C.

(NOC) Heath M.

(CRLP) Nick D. Bobby S. (Praxair) Brad B. (Air Products)
Bob L. (Air Products) Sarah F. (Air Products) Rick G. (Praxair)
Tom H. (Praxair)

Call to Order

Roll Call

➤ Noted

Antitrust Issues

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

1. FAR Contract Invoicing

Nick D.-Nothing new to report

2. Review Plant Issues/Deficiencies

Nick D.-DGA burner issue couple of things we are at risk but when system is running you shouldn't get any CO2. Mark you said that you were going to do samples.

Mark-We have taken 3 samples. We came up with 12 ppm, 14 ppm and one came so close it rounded off to zero.

Nick D.-Brad and I had talked about the fire eye and I think Tim D. had talked about it too. Basically the system needs a good review. Should be an outage item. Last I heard the ABB were to be on site next week to work on analyzer.

Brad B.-One is the DGA burner and they don't think the fire eye is correct. And the work that was done during the outage was a critical safety circuit so it isn't something we can put off until the outage. We need to have an analyzer that is sufficient. We need to get the revalidation scheduled which is probably going to be a brief outage.

Barry-The thing has been working for a couple of years, I am thinking more like cleaning the tubes or something along those lines is what is wrong. If the tubes are at a wrong angle it wouldn't have worked in the first place.

Nick D.-We need to define what we would do during a brief outage. How long it would take. Brad you and I and Barry can bat that around and tentatively put that on our agenda.

Nick D.-The next item was methane pump. Sent to machine shop for repair/rebuild.

Brad B.-Disassemble today. Should know something this week about when it will be back.

Nick D.-Analyzer, right now I haven't heard anything from Stella at ABB so I expect they are due to site next week.

Nick D.-LSS issue with ventilation. Still need to keep the focus.

Amanda-We are going to revisit the proposal to do an analysis. We are going to determine what the requirement is and then go building by building. There will be a request to CRLP for engineering services.

Nick D.-Haven't heard from Tony yet on Waukesha compressors. If you can follow up Rick and Bobby.

DGA pump 1 of 2 installed, Amanda and I agreed that we would defer that to today. BLM doesn't have any issue with authorizing the job to repair the DGA pump. Mark from your notes I understand that both DGA pumps are operable but you are opting for the one you are using now because it leaks less. But they both leak?

Mark M.-The one is pretty much normal.

Nick D.-If you need to run it then it can but it still needs to be fixed. BLM wants to understand the impact of work on the booster compressor. We need to be able to answer that question. To my understanding there is one sitting in the floor of the warehouse. I don't know if that pump is capable of being used. If that is able to be sent out for rebuild then we could have a third.

Mark M.-I would like to send the one in the warehouse to be rebuilt or scrapped.

Brad B.-That pump was completely worn out. We were asked to get rid of it but never got approval.

Nick D.-CRLP recommendation if BLM wants to send out for repair then they can do that but from what I understand it is not repairable.

Brad B.-The existing plungers that are leaking on the pump we have now we can repair that.

Nick D.-Do we have those parts?

Brad B.-I would have to look but for the most part we always have had those.

Nick D.-Lets follow up on that and we can all decide what direction to take.

Amanda-You have to green light us to do the work. I want to know what the impact is to the booster before you divert work.

Sarah-Are you going to need some sort of exhibit from me?

Nick D.-It would be an Air Products job so yes.

Sarah you and I need to get offline on that.

Nick D.-In terms of run time on operating protocol these days.

Mark M.-We don't really have a mean time when it comes to these pumps. We switched out because we didn't want the leak rate to overcome the pump rate.

3. **Review Projects and Proposals**

Booster Compressor

Nick D.-I received from Heath the scope list and have sent to Air Products and they have confirmed there is nothing proprietary and I sent out to the CRLP partners

Training proposal. How do we come to grips with validation? Transformer and switch gear testing is one that I found. What we need is to have the CRLP wants to know does the BLM test the transformers and switch gear with standards and protocol of industry?

Tim D.-As far as the testing standards is it manufacturer or something else?

Nick D.-We defer to Air Products standards which are industry standards.

Nick D.-I would ask Sarah and Brad does that comply with the Air Products standard.

Heath-Wouldn't that be CRLP providing the BLM that standard? Sarah and Air Products are the ones who approve or disapprove so it needs to come from CRLP right?

Nick D.-yes it would come from CRLP. We need to have a small group to figure out what is required.

Tim D.-We need to know the standard soon if we are going to have time to get this done on our part.

Nick D.-I agree we need to have this done quickly and need to have a dialogue to get this done.

Can we talk Thursday Sarah, Alex and Heath?

Training

Nick D.-That is supposed to start in a couple of weeks right?

Mark-I will have to get with Ted Wells.

Brad B.-Right now we are doing both but if we have to prioritize I would imagine we would do the booster first.

Heath-BLM was ok with pushing the training back to get the booster done. If Air Products thinks that they can get it done then I don't want to tell them no.

4. **Review Event Horizon**

5. **CRLP Plant Visits**

Nick D.-February visit TBD

6. **Miscellaneous**

Nick D.-Projects and proposals list is smaller, I have pulled out the items that are complete just some administrative stuff.

Annual turnaround will be around October 2019. We need to minimize outages.