

Cliffside Refiners Limited Partnership Meeting

January 29, 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) Nick H. (Linde)

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 system replaced parts and running.

Tim D.-Able to get it up in 30 minutes yesterday, replaced fire eye controller and amp, brushed out tube. We ordered replacement parts for all of those.

Nick D.-Are these the same parts that you put in that failed?

Tim D.-These are new parts.

Brad H.-There were a bunch of parts that were in the warehouse that were used before on the shelf.

Brad B.-The flame indication looked like it was a stronger flame indication.

To revalidate it we will have to shut down.

The maxim valves they are going to want to update, I don't know if we can even get those anymore. I don't know about the pilot, it has been running for a long time.

Tim D.-The problem has to do with the fire eye getting a good visual.

Barry- I would like to see the black pipe changed to stainless.

Brad B.-That is a good idea we can talk to the vendor. The next step is to revalidate as soon as we can. IT shouldn't take more than an hour and a half. The other part is the analyzer we cannot do this blind.

Nick D.-I see that parts are on order, we need a revalidation, the discussion has been about doing a system review up to OEM for improvements.

Amanda-The revalidate that is under the CRLP contract so we need to authorize that.

Nick D.-On the OEM review, that would line up with the planned outage in October.

Brad B.-They would come back to us with a system upgrade proposal. We haven't needed him out here for several years.

Nick D.-Methane pump update?

Brad B.-The methane pump is about 75% complete waiting for materials to make parts for a bushing by end of next week we should be putting that back together. The other part is for the insulating chamber there was a 5-6 week lead time so we got the material and made that ourselves and we will also make a spare to put on the shelf here. We brought the engineer from Allentown and we brought a mechanic from Gruver, when we put that in it is not a one man job so we will have to pull people off of the booster it will probably take 1 day.

Brad H.-Request for quote to replace parts for methane pump.

Brad B.-We had to make those parts in the machine shop last time, it makes sense to have those parts on the shelf. We decided to make those to put back on the shelf for you.

Nick D.-CO2 analyzer, the last I had was parts February 8th, service from ABB then after to put in operation. Seth has worked with ABB engineer to evaluate if analyzer could be put in service, I am not sure I have the latest on that. Linde and Air Products have found potential replacement, Linde's is in Australia, Brad said they found one in their lab but it is not specific to analytical range that we use, my feeling is that we need to pursue a new analyzer that would be suitable and be logical purchase in this day and age.

Brad B.-We have a spare ABB upgraded model can use it as a loaner for however long. 0-25 so it will work. It was zeroed yesterday. It would fit into the same panel that you have. Possibly then just ship the other one out to get repaired.

Amanda-I like that. That would be great.

Nick D.-CRLP would recommend that that is what we do.

Amanda-That seems like a much better option than ordering parts for 2 years.

Nick D.-DGA pump, I think we left that as approved for work but impact on booster was question.

Brad B.-Mechanic from Gruver here today to work on it. He is looking to change the plunger seals. If there is more we will discuss it.

Amanda-Mechanic is here today but not working on booster.

Nick D.-We had vibration on that pump, we are talking about internal seals?

Brad B.-That is correct.

Nick D.-Mark you and Ted were going to work out phase II.

Mark M.-I was out last week so no progress yet.

Brad B.-Being as transparent as I can, Ted is working on start-up procedure so he is not working on training. I do see this training slipping some.

Amanda-We need the training on the booster.

Brad B.-Come out spend a day on training and go into start-up.

3. Review Projects and Proposals

Booster Compressor

Nick D.-Progress report on booster. Yesterday we had a call about getting standards so BLM would know what standards CRLP expects for work. Little bit more than what was appreciated in detail.

Nick H.-Thanks to BLM for preparing ORI worklist. As they are completed I would like to see the progress to overall completion.

Amanda-We are going to add a completed and validated column. We have discovered differing site conditions we are working on contract mod now. There is no impact to contract completion date.

Brad B.-If you look at particular work there are days we have lost can we make that up and work longer days yes.

Heath-I would do everything I can to get mod by Wednesday morning and I am still planning for that to be done.

Brad B.-Electrical, grounding everything is moving forward. We are running out of work for welders today and tomorrow they will finish up the line then there is not much work for them. Outage cannot be pushed off past October. Gaskets and piping upstream of booster outside of building will be taken care of during that outage. We will be providing and MOC for that too.

Brad B.-Standards and integration with BLM, I see an issue with MOCs, I don't know where we are at there. Alex pick out the ones you need standards on.

Amanda-Electrical we need standards on.

Nick H.-Is there any help that Bobby can give you?

Alex-I'm not sure how that would work that is a good idea and we can discuss.

Nick H.-It could be reviewing what you have done for example.

Amanda-The focus is on the showstoppers but we are still working on the others as well. We are planning on reviving old MOC process. If you have something you know you will accept give us an example of what would be acceptable.

Nick D.-We can always have another project call to go over these things.

Alex-In the past we have used our MOC process and it was not acceptable to CRLP.

Brad B.-If you look at the MOCs on file from Air Products then you can see how they need to be. I don't know if we can help with that in the contract but we need to know if you do so we can start work on that. I was assuming that was something we couldn't help with.

Amanda-You aren't going to validate it if they aren't acceptable. We all want the same thing, maybe we take a shot on some of the simpler ones and see where we are.

Alex-I will see if I can make it out tomorrow morning Brad so we can go over some things.

Amanda-The DGA system and the burner failure, Bobby recommended looking at the unit reset? Is that something that you will look and doing the review or can we? Will you look at that?

Nick D.-We would have a scope for anything that anybody thinks needs to be done to that equipment.

Amanda-Bobby had a pretty good understanding.

Nick D.-I made a note of it so it will be open to discussion and consideration.

4. **Review Event Horizon**
5. **CRLP Plant Visits**
6. **Miscellaneous**