

## Cliffside Refiners Limited Partnership Meeting

April 9, 2019 @ 10:00 AM

### Attendees:

(Cliffside) Mark M. Barry S. Rodney C. Tim D.  
(Downtown) Emress B. Alex C.  
(NOC) Heath M.  
(CRLP) Nick D. Nick H. (Linde) Bobby S. (Praxair)  
Tony K. (Praxair) Bob L. Brad B. Sarah F.

### Roll Call

➤ Noted

### Antitrust Issues

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

#### 1. Booster Compressor

**Nick D.**-Things are in line with plans. We have the welding work to start and the outage is still on for the 29<sup>th</sup>. Are the welders still going to mobilize this week?

**Alex C.**-They are still going to mobilize this week. Last week we expected that they would start Monday, they were going to take a few guys off for two days to finish another job, but they decided to finish that job and bring all of their guys and start Wednesday instead and go through Saturday this week.

**Nick D.**-Are they using a local subcontractor?

**Alex C.**-They are using a combination of in house welders and a contractor out of McKinney, TX

**Nick D.**-Are they using a separate outfit for the quality?

**Alex C.**-They are planning to use a local contractor and they are supposed to send me who they are choosing today.

**Nick D.**-28 welds to be done during outage, the contractor is aware that they need to be done late on Wednesday or early Thursday the week of the 29<sup>th</sup> during the outage. We need at least a day to make sure everything is good. It is a tight schedule. I am open to other opinions on that.

**Brad B.**-We were checking for pipe stress. Whose scope is that?

**Alex C.**-It is in there scope and we have for you to be on site for that Brad.

**Heath M.**-We used Brad's requirements for the pipe stress.

**Nick H.**-Do you see that the welder will be able to complete the wells?

**Alex C.**-Right now we have 6 welders and they plan to bring in more to meet the deadline.

**Nick D.**-Arc study, relay resets, the deliverable was a scope of work to Heath. We still on that?

**Alex C.**-I should have the scope finished today. We talked about having CRLP review and make sure you are good with that. I am not sure how to do that just yet. Just to make sure it covers what you are looking for.

**Brad B.**-This would be something Tim would need to look at in Air Products. So we need to give him a heads up when it will be coming.

**Alex C.**-By tomorrow morning I can send it to review.

**Nick H.**-Would like to see the punch list of the remaining items to be done relating to the compressor. We know there are many other things besides the Arc study and welding. I think we need to get to the level of completeness now.

**Heath M.**-We talked about it yesterday I am happy to go over it right now. As of yesterday, there were 99 tasks for BLM to do, 44 have been signed off on, there was a total of 188 combined, combined there are 72 signed off on. They just started signing those off last week.

**Brad B.**-We are going to update the list too so we are going to highlight the things that are to be done the day of the start-up.

**Alex C.**-We have a lot to do with the final weld work and the final walk down.

**Nick D.**-The worry ones are the pre so when you do publish so the number that are pre-start that are signed off and not signed off, I think that will answer the question. You might want to put a walk through because those are done as much as they can be right now. Are you worried about show stoppers?

**Brad B.**-I have already mentioned the welding and the Arc flash study, the rest is just admin. I do not have any concern that once those are complete that we will have any problem. Some of the after requirements should have already been done, yes, but at the end of the day they are after start-up so they won't be checked off until then.

**Nick D.**-Unless I hear otherwise the Arc Flash study could easily trail into May, that is just a feeling I have for that work. Let's move on to outage planning

**Tony K.**-Several valves short for K100, we are working with the vendor to make sure we have them available, we are still planning for the 29<sup>th</sup>. There are 10 valves that we are not able to find. We will work with Duke to get them out there the next week or so.

**Nick D.**-There has been quite a bit of study on the K100. There were some high temperature issues, it has been given a review. A temporary temperature set point change was authorized. Right now it is operating and is not under alarm conditions. We know there is definitely work to be done during the outage. BLM given by MOC authorization on set points as necessary.

**Brad B.**-I have Wilbur following up on CO2 analyzer today to find out the status, we have been trying to get in touch with them but have not been able to.

**Nick D.**-Sarah what about the purchase of a new analyzer?

**Sarah F.**-Purchase of new analyzer was not authorized and I sent back the comments from one of our experts here.

**Nick D.**-Was I supposed to do something with those comments?

**Sarah F.**-I think we need to just dig back up the email

**Nick D.**-This week we can look at that.

**Nick D.**-Methane pump, Brad and I talked about that they are working a plan on that.

**Brad B.**-Today we will set up the normal defrost off of the TSA, and then we will start cooling down the spare pump to bring it online. The pump that was just repaired clearly has some high vibration that is probably why the seals started to come out. It is highly likely that we will have to pull that and take it back to the shop.

**Nick D.**-Training proposal, Mark you and Ted, are there any changes?

**Mark M.**-We don't have a new date yet but we need to get on to that.