

Cliffside Refiners Limited Partnership Meeting

May 24, 2018 @ 10:00 AM

Attendees:

Emress B. Barry S. Sam B. Joan G. Tim D. Mark M.

Brad H. Heath M. Alex C. Brock V. Melissa H.

Nick D. (CRLP) Bobby S. (Praxair) Rick G. (Praxair)

I. Call to Order

II. Roll Call

- Taken

III. Antitrust Issues

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

1. Old Contract BLM deficiency/issues reporting

Nick D.-we have provided 2 invoices. I am waiting for 2 invoices from our accountants. I now have the invoices and they are the same as the ones that were itemized. The list that you have is current. They are finished. You want a thumb drive? What do you want on it?

Joan G.-The information that you sent us in email should be on the thumb drive. It acts as a backup.

Nick D.-I don't understand what the difference is.

Sam B.-David will have to explain what it is he exactly needs.

Nick D.-When David returns then I will get him what he needs.

2. New Contract Invoicing

Nick D.-Alex I made a mistake and attached the wrong file in IPP. I sent you an email.

Alex C.-yes I got it.

3. Plant issues/deficiencies

Nick D.-

PRISM-2 AP guys will be on site next week, Tuesday or Wednesday to do that work

Valve Closure-Same as #13 on the list. This is the same valve. We are reporting #4 as closed.

Booster Compressor-Alex and Brad of AP were on a call with approval to go ahead with ORI. The week on June 4th will be targeted week to go through with that.

PPE for BLM-We will discuss later a program to move that forward.

K Compressor cooling-I think we all understand where these are going and what they are meant for.

Barry S.-We are just waiting for some parts to finish that up.

Nick D.-Ok I will just wait for you to let me know that has been completed.

Residue control valve-It was installed and had a leak problem this was fixed up last week when we were there on Tuesday. The valve control ranges passed the response time. We need to verify that we can alter the response time.

Mark Carey is working up a proposal about replacing the spare parts for the K100 and K600 machines.

K610 Compressor-safety relief valves are not locked open. Locks are installed but not locked. They are to be locked out when machine in operation. Serious violation for PSM.

North CH4 pump-Somebody said that the north methane pump is inoperative.

Mark M.-I spoke with Blaine he said that they have been primarily running off of pump B in the 3 years that he has been here. They tried to use pump A during start up but it froze up so that went back to B. Need to find out if it was reported to anyone.

Nick D.-When we talk about hand rotating, is someone sticking their hand in there or are they using a strap wrench? How does someone get authorization to do that?

Barry S.-I think it was in the procedure that AP sent us.

Nick D.-Can you send me a copy of that procedure?

Mark M.-I will send it to you.

Sam B.-You might have 2 different procedures to send Nick. They were reviewed and so there was one procedure and then it was reviewed.

Waukesha #1-Oil was gushing from the oil drain. Oil was being put into the sump, the machine was down. That was a serious event. It was remedied immediately. Operator error. Would you agree that it was operator error?

Mark M.-I think we have to use this as some training.

Barry S.-My question is why it was being filled manually instead of the automatic control.

Nick D.-That is a good point, if that is supposed to happen but isn't then that is a deficiency.

Lock ups with DCS-Screen displays lock up especially during start up.

White board-the only item was G146A making noise. Reflux pump.

Barry S.-you normally replace the pump because the seal is bad. It is normally easier to change out the whole thing.

Feed gas scrubber-is it working as designed? Is it still contributing value to the process, if not is it causing a pressure drop that we should be concerned about?

Barry S.-we didn't get too far in depth. I think it is still a functional scrubber because the operators have to blow it down. It is still catching liquid before going to compressor. We need it, I'm not sure we don't need to replace it. I think we need to check it to see what the differential is.

DCS/IT-This is something between CRLP and local staff. Need to find out support from local vendors. Marty is go to person. CRLP has no issue with being source of these agreements.

Sam B.-BLM would give recommendation then you would decide.

Melissa H.-So you are asking us for a recommendation and who to fix it?

Nick D.-Marty is your person for the control system, so he is the best person to let us know what services he needs to do his job. That is all we are asking that he identify his needs and then we will try to accommodate.

Melissa H.-Contractually we need to talk offline.

4. Projects and Proposals

Nick D.-In the process of working up proposal for Waukesha safety. We are going to talk more about that in item number 6 I think.

5. Event Horizon

Nick D.-Split into 2 machinery systems and equipment and then general administration and plant management.

6. Near Miss investigations

Nick D.-Cliffside near miss investigation

BLM management team should conduct near miss investigation

Test process of PSM for overflow of oil on Waukesha and failure to lockout K610 valves

7. Cliffside PPE

Nick D.-

Define areas designated for various levels of PPE

Provide copy of training record for PPE identifying who has been trained and when last trained

Conduct inventory of what is needed and then purchase what is needed.

8. Cliffside operation instruction revisions

Waukesha compressors

- a. Operator started it up successfully, but did not have operating procedure of start-up. Not saying that it was wrong but there should be a start-up and stop procedure if there is not one.

G200 methane pumps

- a. Procedures should be reviewed

Management review of daily logs

- a. Some operators like it some don't. Not sure what the procedure is there. Maybe collect a week's worth of logs and see what needs to change and what is useful.