Zipp, William

From: Zipp, William
Sent: Monday, November 04, 2002 1:54 PM
To: Schmidt, Eric; Schroeder, John-P; Oetting, Kelly; Oconnell, Brian; Schroeder, John; McLean, Brian
Subject: RE: Task Assignments for the Aux Feed Issue

Update:

Change to CST draining: Due to some criticism of us "losing evidence", Brian O or Kelly, please see if Ops can change the draining methodology, from draining mostly to hotwell the last few feet to turbine hall sump, to draining ALL the CST to turbine hall sump; with a drain filter attached to the drain the whole time Thanks. Next draining is scheduled to begin Wednesday at 0200. So that sets your deadline.

-----Original Message-----
From: Zipp, William
Sent: Saturday, November 02, 2002 2:55 PM
To: Schmidt, Eric; Schroeder, John-P; Oetting, Kelly; Oconnell, Brian; Schroeder, John; McLean, Brian
Subject: Task Assignments for the Aux Feed Issue

I have gone back through my notes from meetings, and our discussions, and all the lists I know of from others, and want to restate the specific tasks I've asked you to do. I've put a due date for each task. Some of these are not too hard, others are challenging. But I feel the need to put an end date on this stuff or it could go on forever. Here are the tasks, let me know if any are wrong, missing, etc. Also if you want to change around who's doing what, fine, just let me know.

- Prepare and execute inspections of both CSTs. (Brian Oconnell). This includes:
  - get PPG to commit to schedule date for the work by end of day Monday 11/4.
  - support work plan development. My goal is to go in and obtain as-found condition, get all the data we, Kendall, Masterlark want, and leave. This includes but is not limited to taking pictures, taking measurements of the exact layout of the pipe (e.g. flush with the tank side or extends in how far, elbow down or straight), grabbing some samples of residue from the floor, and/or from inside the suction pipe if you can reach in there, and qualitatively assessing the rust condition (where is it in relation to the suction pipe, is it loosely or tightly adhered, to try to support whether it could get transported into the pipe)But, to also be considered is:
    - Being prepared to deal with what we find. Again I don't WANT to do anything but look and leave, but "what if" there's something bad, such as extreme wall thinning. I recommend you talk with Pat and see what contingencies he developed when going into the RWST last outage, though that tank is stainless lined and probably rusting wasn't a concern.
    - In support of the above bullet, how long can we keep one tank out of service, in the worst case scenario? One day, one month? Probably more of an on-line PSA issue than Tech Specs
    - Also can you make sure we know the tank construction code, material, etc., if a repair is needed? Do we need a contingency repair WO?
  - also want to qualitatively assess the condition now vs. last time we went in. Hopefully we can say consistent with what we found last time, which supports the decision to leave as-is during last PMs.
  - Consider obtaining a sample of the CST bottoms water for chemical analysis prior to draining (NRC idea...)

- Removal and examination of the P-38B mini-recirc orifice. (JP / Eric) Documentation of as-found condition. If any material, clean it. (contingency WO). AND CAPTURE ANY OF THE MATERIAL. Examination of other carbon steel components in the isolation boundary, e.g. pump upstream and downstream piping. Tuesday 11/5. Currently scheduled to occur in the evening, 10 PM. JP and Eric, work it out as to who will be able to cover this. Let me know your plan.

- Determine whether we go into the A pump for a boroscope visual exam similar to what you plan for B (JP / Eric). As A was the affected pump, I'm leaning toward "yes" at this poing. Develop work plan, schedule, etc. Monday 11/4.

- Development of a time line that explores the activities that occured going back to the start of the U1 outage, that could have perturbed the system and led to introduction of the material into the P-38A orifice. (Kelly). Due date: end of the day Tuesday 11/5. This would include things like filling CSTs with water from the U2 feed heaters and forward flowing to S/Gs (twice?) during the outage, and subsequently draining; work orders in the vicinity of the A

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pump; IST; monthly blowdown of the service water supply piping (John A has detailed knowledge on the exact sequence of this evolution). This would also include compiling a list of input sources into the CST, and whether any were used during that time frame

- Support of effort to capture the material from blowdown of the service water supply piping (John A - ongoing).

- Look for Industry OE on multiple runs of the Terry Turbine. This is in support of T Coutu question #17. What we want to know is whether there's any industry experience with trouble or with success on multiple starts and stops of the turbine drive aux feed pump. In the OD we state it would be ok. That is based on a two sentence e-mail from a person at Dresser-Rand ("you should not have any major problem starting or stopping your turbine ever (sic) 15 minutes or so in an Emergency situation. You could end of (sic) with some condensation or control problems but this should not prevent the turbine from running."). This is the supporting documentation and it's pretty weak, so we're looking for any other info from the industry. (Brian Mclean). Monday 11/4. Brian, I'm asking you to look into this because you know your way around the INPO web site.

- Complete Engineering Evaluation (Brian O / Kelly). As soon as possible following the last inspection, which will likely be CSTs. If we can get it done end of the week of 11/4 that would be great. In any event the NRC has a "preliminary" exit Friday morning 11/8. If we could get them even an uncompleted evaluation by mid-Thursday for them to have something to look at, I think this would be a good move on our part.

I really appreciate your help. Thanks. Bill.