

Schaperow, Jason

From: Schaperow, Jason
Sent: Thursday, January 13, 2011 8:36 AM
To: Prato, Robert
Cc: Tinkler, Charles; kcw@dycoda.com; 'Ross, Kyle Wayne'; Chang, Richard
Subject: RE: I am in ACRS tomorrow morning, I will call you after I am done with ACRS.
Attachments: questions for Surry.rev.docx

Yes. We are meeting at Surry on Wednesday. KC and Kyle have made their travel reservations, and I will make mine today. I will be driving to Virginia on Tuesday afternoon. I am not sure whether Richard is coming.

We are planning to send Surry a list of information needs prior to the trip. What we have so far is attached. I am hoping you could add mitigation issues to the attached list.

From: Prato, Robert
Sent: Thursday, January 13, 2011 5:55 AM
To: Schaperow, Jason
Cc: Tinkler, Charles
Subject: RE: I am in ACRS tomorrow morning, I will call you after I am done with ACRS.

Jason

I think we need to meet in early afternoon. I can come over, and I will try to get the former Surry guys to come. I cannot come in tomorrow, so we need to do something today. Please confirm that we will be meeting at Surry on Wednesday!

Thanks,

Bob

Robert Prato
Senior Reactor Operation Engineer
NRO / DCIP / CQVA

T7D43 / 415-6035

From: Schaperow, Jason
Sent: Wednesday, January 12, 2011 4:02 PM
To: Prato, Robert
Cc: Tinkler, Charles
Subject: RE: I am in ACRS tomorrow morning, I will call you after I am done with ACRS.

Thanks. Good luck with your ACRS meeting.

Charlie was in today. I asked him to speak with you and me to help us prepare for the Surry site visit. He said he would be available tomorrow morning. Please give us a call after your ACRS meeting.

Thanks again,
Jason

From: Prato, Robert
Sent: Wednesday, January 12, 2011 2:26 PM

To: Schaperow, Jason

Subject: I am in ACRS tomorrow morning, I will call you after I am done with ACRS.

Robert Prato

Senior Reactor Operation Engineer

NRO / DCIP / CQVA

T7D43 / 415-6035

Information Needs for 01/19/2011 Surry Plant Visit

Areas/equipment to see:

1. Safeguards Area – all 3 levels and the roof including the expandable flashing between the roof and the containment wall
2. All of the piping in the Safeguards Area of one of the RHR trains
3. The Safeguards Area sump pumps
4. The safety-related redundant ventilation trains serving the Safeguards Area including the fans and filter units (HEPA and charcoal) located in the Auxiliary Building
5. The ventilation system (exhaust fans and inlet/outlet louvers) serving the Containment Spray Pump Area and Main Steam Valve Housing Area
6. The Containment Spray Pump Area – all (both?) levels
7. The Main Steam Valve Housing Area – all (both?) levels
8. All passages between the Safeguards Area and the Containment Spray Pump Area
9. All passages between the Containment Spray Pump Area and the Main Steam Valve Housing Area
10. All passages between the Main Steam Valve Housing Area and the Auxiliary Building
11. The drain from the Main Steam Valve Housing Area to the Auxiliary Building

Information requests:

1. Drawings and specifications of the ventilation systems serving the Safeguards Area
2. Drawings and specifications of the ventilation system(s) serving the Containment Spray Pump Area / Main Steam Valve Housing Area
3. Drawing and specifications of the ventilations system(s) serving the Auxiliary Building
4. Capacity of the 2 sump pumps serving the Safeguards Area

Questions:

1. Could the flow control valve on the high-pressure side of flow restrictor be closed to slow or stop an ISLOCA?. If the valve will not fully close, what is the minimum flow area upon closing?(This is the flow control valve outside of containment on high pressure RHR piping.)
2. What is the structural capability of the Safeguards Area (building) to withstand internal pressurization by the ISLOCA blowdown? 3. Would the ventilation system be used during the ISLOCA event? (Would it be closed by an isolation signal?) If it operates or could be operated, what is its capacity and efficiency to filter the region? What is its capacity to withstand the effects of the ISLOCA blowdown?
3. 4. Would the sump pumps in the Safeguards Area be running following an ISLOCA? Would the pumps be operable following the ISLOCA (are the pumps submersible)? What is the flow capacity and where do the pumps move water to?

4. 5. Does the air volume of the containment Spray Pump Area/Main Steam communicate with the Safeguards Area (building)? Would the unfiltered ventilation system(s) serving the Containment Spray Pump Area / Main Steam Valve Housing Area be running following an ISLOCA? (Kyle, why are we asking about this unfiltered ventilation system?)
5. 6. Could the strainer on the drain from the Main Steam Valve House become blocked by debris following an ISLOCA? (Kyle, why are we asking this question?)