

Lessard, Patrick

om:  
ant:  
To:

King, Mark *NRR*

Thursday, April 15, 2010 4:14 PM

Rosebrook, Andrew; Wilson, Adam; Hull, Amy; Wang, Alan; Malliakos, Asimios; McMurtray, Anthony; Patel, Amar; Garmoe, Alex; Palmer, Anthony; Howe, Allen; Blamey, Alan; Barrett, Andy; Lising, Jason; Burritt, Arthur; Pate, Tony; Zoulis, Antonios; Barker, Allan; Rao, Ami; Boland, Anne; Billoch, Araceli; Gody, Tony; Howell, Art; Keim, Andrea; Sabisch, Andrew; Ziedonis, Adam; Dugandzic, Aaron; Johnson, Andrea; Lewin, Aron; Rezai, Ali; Sengupta, Abhijit; Turilin, Audrey; True, Andrea; Boger, Bruce; Bickett, Brice; Rini, Brett; Watson, Bruce; Haagensen, Brian; Lehman, Bryce; Welling, Blake; Holian, Brian; Beasley, Benjamin; White, Bernard; Fuller, Brian; Singal, Balwant; Tharakan, Binesh; Vaidya, Bhachandra; Bartlett, Bruce; Mozafari, Brenda; Yip, Brian; Smith, Brian; Tindell, Brian; Dittman, Bernard; Jose, Benny; Casto, Chuck; Hott, Christopher; Julian, Caudle; Lipa, Christine; Sanchez, Chanel; Alldredge, Casey; Cauffman, Christopher; Khan, Cheryl; Pederson, Cynthia; Moulton, Charles; Lyon, Fred; Cahill, Christopher; Miller, Chris; Ng, Ching; Young, Cale; Paulk, Chuck; Rosselle, Chuck; Sanders, Carleen; Henderson, Christopher; Roquecruz, Carla; Kontz, Craig; Welch, Christopher; Goodwin, Cameron; Gratton, Christopher; Crisden, Cherie; Powers, Dale; Allen, Don; Everhart, Dave; Tifft, Doug; Graves, Chris; Johnson, Dante; Lew, David; Dumbacher, David; Dodson, Douglas; Hills, David; Jackson, Donald; White, Duane; Strickland, Duane; NRR\_DIRS\_IOEB Resource; Spindler, David; Roberts, Darrell; Sinks, Donna; Allsopp, David; Egan, Dennis; Mas, Delza; Schroeder, Daniel; Werkheiser, David; Kern, David; Dority, Dayna; Reinert, Dustin; Hoang, Dan; Pickett, Douglas; Andrukat, Dennis; Alley, David; Chyu, Doris; Frumkin, Daniel; Garmon-Candelaria, David; Merzke, Daniel; Melendez-Colon, Daneira; Passehl, Dave; Wright, Donna; Brown, Eva; Kleeh, Edmund; Ruesch, Eric; Goldfeiz, Eliezer; Burket, Elise; Knutson, Ed; Michel, Eric; Morris, Eddie; Miller, Eric; Bowman, Eric; Collins, Elmo; Huang, Eugene; Roach, Edward; Benner, Eric; Cunningham, Liza; Leeds, Eric; Sullivan, Ted; Stamm, Eric; DiPaolo, Eugene; Keighley, Elizabeth; Chelliah, Erulappa; Coffman, Ellery; Cobey, Eugene; Bonney, Erin; Robinson, Edward; Thomas, Eric; Torres, Edgardo; Brown, Frederick; Saba, Farideh; Arner, Frank; Ehrhardt, Frank; Bower, Fred; Bonnett, Paul; Tran, Frank; Hutto, Andy; Newman, Garrett; Pick, Greg; Kelly, Glenn; Miller, Geoffrey; Replogle, George; Larkin, Grant; Kolcum, Gregory; McCoy, Gerald; Hunegs, Gordon; Ottenberg, Geoffrey; Shear, Gary; Tracy, Glenn; Tutak, Greg; Barber, Scott; Bowman, Gregory; Dentel, Glenn; MacDonald, George; Callaway, Gary; Guthrie, Eugene; Kulesa, Gloria; Miller, Ed; Chernoff, Harold; Jones, Heather; Le, Hien; Christensen, Harold; Balian, Harry; Barrett, Harold; Crouch, Howard; Prokofiev, Iouri; Cutler, Iris; Jung, Ian; Tifft, Jennifer; Clark, Jeff; Grobe, Jack; Hickey, James; Isom, James; Kulp, Jeffrey; Lennartz, Jay; McHugh, James; Brady, Joseph; Baptist, James; Dykert, Jason; Lane, John; Paige, Jason; Poole, Justin; Tsao, John; Draper, Jason; Hughey, John; Hamman, Jeffrey; Orr, Dan; Beall, James; Gaslevic, James; Greives, Jonathan; Rivera-Ortiz, Joel; Rutkowski, John; Thorp, John; Lara, Julio; Rogge, John; Stang, John; Glitter, Joseph; Ibarra, Jose; Kramer, John; Lamb, John; Schoppy, Joseph; Bashore, Joseph; Nadel, Jared; Thompson, Jon; Blake, Jerome; Corujo-Sandin, Jorge; McHale, John; Cameron, Jamnes; Dixon, John; Marble, Julie; Ashcraft, Joseph; Brand, Javier; Giantelli, Joseph; Lilliendahl, Jon; McGhee, James; Trapp, James; Donohew, Jack; Adams, James; Boska, John; DeBoer, Joseph; Reynoso, John; Segala, John; Bream, Jeffrey; Groom, Jeremy; Hall, Randy; Hawkins, Justin; Jennings, Jason; White, John; Walsh, J; Dodson, Jim; Jandovitz, John; Kim, James; Kaizer, Joshua; Robbins, John; Wiebe, Joel; Heinly, Justin; Johnson, Jonathan; Mitman, Jeffrey; Polickoski, James; Wiggins, Jim; Kauffman, John; Andersen, James; Clifford, James; Lubinski, John; Shea, Joseph; Thompson, John; Ayala, Juan; Cushing, Jack; Dozier, Jerry; Gall, Jennifer; Heisserer, Jamie; Kellum, Jim; Ortega-Luciano, Jonathan; Rady, Jeff; Robles, Jesse; Willis, Joseph; Quinones-Navarro, Joylynn; Bucholtz, Kristy; Gray, Kathy; Mangan, Kevin; Young, Keith; Feintuch, Karl; Korth, Kelly; Stoedter, Karla; Ellis, Kevin; Hoffman, Keith; Kennedy, Kriss; Roche, Kevin; Cotton, Karen; Kolaczyk, Kenneth; Mattern, Kevin; West, Steven; Kern, Ludwig; Fields, Leslie; Haeg, Lucas; Wilkins, Lynnea; Scholl, Larry; James, Lois; Casey, Lauren; Criscione, Lawrence; Doerflein, Lawrence; Cain, Loyd; Raghavan, Rags; Trocine, Leigh; Wert, Leonard; Boggi, Michael; Cunningham, Mark; Galloway, Melanie; Satorius, Mark; Barillas, Martha; Cheok, Michael; Hay, Michael; Thadani, Mohan; Sykes, Marvin; Tschiltz, Michael; Hamm, Matthew; Schweg, Mark; Speck, Mark; Balazik, Michael; Farnan, Michael; Evans, Michele; Vaaler, Marlayna; Chernoff, Margaret; Case, Michael; David, Marshall; Morgan, Michael; Marshfield, Mark; Ross-Lee, MaryJane; Halter, Mandy; Webb, Michael; Brown, Michael; Chawla, Mahesh; Chambers, Michael; Dapas, Marc; Scott, Michael; Panicker, Mathew;

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*Q4*

**To:**

Thorpe-Kavanaugh, Meghan; Lintz, Mark; Phillips, Monte; Patel, Manan; Catts, Michelle; Reisifard, Mehdi; Sheikh, Mina; Young, Matt; Ferdas, Marc; King, Mark; Wegner, Mary; Markley, Michael; Abid, Mohammed; Banerjee, Maitri; Davis, Marlone; Fernandez, Mario; Gray, Mel; Junge, Michael; Jardaneh, Mahmoud; Kowal, Mark; Mahoney, Michael; Orr, Michael; Valos, Nicholas; Taylor, Nick; DiFrancesco, Nicholas; Salgado, Nancy; Lafferty, Nathan; Morgan, Nadiyah; Perry, Neil; Rivera-Feliciano, Nilda; Sieller, Nicole; Coleman, Nicole; Kalyanam, Kaly; Ayegbusi, Odunayo; Tabatabai, Omid; Yee, On; Presby, Peter; Pieringer, Paul; Pederson, Perry; Lessard, Patrick; OBryan, Phil; Kaufman, Paul; Milano, Patrick; Prescott, Paul; Boyle, Patrick; Krohn, Paul; Alter, Peter; Bamford, Peter; Cardona-Morales, Pedro; Coco, Paul; McKenna, Philip; Smagacz, Phillip; Zurawski, Paul; Niebaum, Phillip; Hiland, Patrick; Loudon, Patrick; Wilson, Peter; Lee, Pete; Finney, Patrick; Harris, Paul; Wen, Peter; Edwards, Rhex; Jervey, Richard; Montgomery, Richard; Nelson, Robert; Rasmussen, Richard; Cohen, Ronald; Elliott, Robert; Patel, Raju; Hagar, Bob; Baker, Randal; Branch, Richard; Telson, Ross; Cureton, Ronald; Hickok, Roy; Lantz, Ryan; Martin, Robert; Krsek, Robert; Rolph, Ronald; Beall, Robert; Perkins, Richard; Treadway, Ryan; Bernardo, Robert; Conte, Richard; Caniano, Roy; Craffey, Ryan; Kumana, Rayomand; Murray, Robert; Orlikowski, Robert; Powell, Raymond; Pascarelli, Robert; Stattel, Richard; Wolfgang, Robert; Frahm, Ronald; Lorson, Raymond; Clagg, Rodney; Conatser, Richard; Franovich, Rani; Nimitz, Ronald; Smith, Rich; Lerch, Robert; Ng, Raymond; Pelton, Rick; Hardies, Robert; Grover, Ravinder; Moore, Ross; McKinley, Raymond; Clement, Richard; Guzman, Richard; Vogt-Lowell, Rene; Deese, Rick; Haskell, Russell; LaVera, Ronald; Musser, Randy; Sigmon, Rebecca; Taylor, Robert; Richards, Stuart; Walker, Shakur; McCarver, Sammy; Meighan, Sean; Rich, Sarah; Ibarrola, Sherlyn; Weerakkody, Sunil; Iyer, Shri; Collins, Sam; Pannier, Stephen; Vaughn, Stephen; Hansell, Samuel; Garry, Steven; Pindale, Stephen; Rutledge, Steven; Schneider, Max; Smith, Stacy; Bailey, Stewart; Malik, Shah; Lingam, Siva; Rutenkroger, Scott; Sanchez, Steven; Sands, Stephen; Hackworth, Sandra; Jones, Steve; Kennedy, Silas; Sandal, Shane; Lee, Samuel; Crane, Samantha; Lai, Sandra; Peng, Shie-Jeng; Beltz, Terry; Chapman, Travis; Moslak, Thomas; Briley, Thomas; Hartman, Thomas; Kolb, Timothy; Setzer, Thomas; Bloomer, Tamara; Burton, Thomas; Chandler, Timothy; Hedigan, Tom; Walker, Tracy; Boyce, Tom (NRR); Farina, Thomas; Kobetz, Timothy; McGinty, Tim; Orf, Tracy; Wengert, Thomas; Harriman, Thomas; Fredette, Thomas; Hipschman, Thomas; Lupold, Timothy; Pruett, Troy; Inverso, Tara; Morrissey, Thomas; Mossman, Timothy; Shoop, Undine; Porin, Vanice; Gaddy, Vincent; Ordaz, Vonna; McCree, Victor; Sreenivas, V; Cook, William; Chalk, Wayne; Cartwright, William; Jones, William; Walker, Wayne; Ruland, William; Raymond, William; Schaup, William; Borden, William; Deschaine, Wesley; Orders, William; Diaz-Castillo, Yamil; Holcraft, Zachary

IOEB Clearinghouse Screening Summary for Thursday, April 15, 2010

**Subject:**

**NOTE: THIS SUMMARY IS OFFICIAL USE ONLY**  
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**FROM ORIGINATOR**

**Issues For Resolution (IFR):** None

**OpE Forum Postings (COMMS):** None

**Management Requests:** None

**Follow-up/Other Tasks:** Sixteen (16)

*[Note - The information in this part of the Summary is often preliminary in nature and is provided to help IOEB staff communicate and track noteworthy items being followed up by either the Regions or HQ staff.]*

**1) EN 45839 – Part 21 - FAULTY MODULATION INDEX CONTROL CIRCUIT BOARD USED IN A POWER SUPPLY**

As part of the dedication process the vendor discovered the issue with the two resistors having one leg each terminated in the wrong location. Subsequent repair and testing confirmed this to be the issue and that once corrected, the irregularities were gone. The licensee is evaluating all other circuit board that are supplied by

this vendor. The residents are aware of this issue and are monitoring the situation. (Forward to TRG for Quality Assurance and Vendor Issues – Paul Prescott – Assigned to Mike Brown).

**EN 45840 – PILGRIM - LOSS OF EMERGENCY RESPONSE ORGANIZATION IN-PLANT NOTIFICATION SYSTEM** Yesterday, the licensee determined that the Computerized Automated Notification System (CANS) and back-up system (BEEPS) were not working as designed. The licensee determined that the event was caused by a USA-Mobility transmitter failure near the site that serves Pilgrim. The issue was corrected at 0845 this morning and they have restored full ERO notification capability. (Recommend Screen out, forward to TRG for Emergency Planning; Eric Schrader – assigned to Mike Brown)

(b)(5)



(Forward to Human Performance TRG lead (Mike Boggi); assigned to Dave Garmon).

(b)(5)



**10) Kewaunee - Tritium in Monitoring Well Adjacent to Auxiliary Building (4/12) - Update**

Region had a conference call with the licensee yesterday. Licensee has formed an investigation team to look into the source of tritium in monitoring well #707, which is located about 8 feet west of the auxiliary building. Previous samples of this well were all below detectable levels, now they are routinely seeing 1,500 to 2,000 pCi/liter. They have no known sources of leakage at this time. However, as part of their investigation, the licensee left an open container with demineralized water in the aux building (unknown for how long), which wound up with about 400,000 pCi/l of tritium. Licensee has confirmed that they do not have detectable airborne activity in the auxiliary building. The licensee program is following the NEI guidance. Region will be having another phone call with the licensee on April 20. (Pass to NRR Staff Following Tritium Issues (Steve Garry and Richard Conatser); assigned to Bob Bernardo).

**12) LER 2552010001R0 – Palisades: Potential Loss of Safety Function Due to Service Water Pump Shaft Coupling Failure.** This LER reports an event where a SWS pump shaft coupling was found broken. During the period it was potentially broken, the other SWS pump was out of service for a short period. This LER also meets the reporting requirements of 10 CFR Part 21. The LER provides additional information to a condition which was already reported by Hydroaire under Part 21 number 2009-20-00. (IOEB will update a previous OpE COMM on SW shaft coupling failures.

Recommend pass to TRG Leads for Quality Assurance and Vendor Issues (Paul Prescott) and for Pump and Valve Performance (Russell Lake). Post this LER to the public website as Part 21 Report number 2010-12-00. Assigned to Steve Pannier - Complete.)

**13) LER 3692010001R0 – McGuire 1: Power reduction of two units due to entry into LCO 3.0.3 caused by the inoperability of both trains of the Control Room Area Chilled Water System.** This LER reports an event where one control room chiller was down for maintenance and the other chiller failed. (Recommend pass to TRG Lead for Control Room Habitability and HVAC (Nageswara Karipineni). Assigned to Steve Pannier).

**14) LER 4832010001R0 – Callaway: Emergency Core Cooling System MODE 4 Operating Practices Prohibited by current Technical Specification 3.5.3.** This LER reports an event where the LOCA procedure was found deficient and could result in the loss of an RHR safety function following a LOCA while in MODE 4. (Recommend pass to TRG Leads for ECCS (Samuel Miranda), Human Performance (Michael Boggi), and Safety Culture (Alexander Sapountzis). Assigned to Steve Pannier).

**15) LER 2772010001R0 – Peach Bottom 2: Multiple Slow Control Rods Results in Condition Prohibited by Technical Specifications.** (Recommend adding this LER information to existing OpE COMM describing this event. Assigned to Issue for Resolution Manager-Mike Brown).

**16) A NEW INFORMATION NOTICE WAS ISSUED / POSTED TO THE PUBLIC WEBPAGE TODAY**

IN 2010-09	04/14/2010	Importance of Understanding Circuit Breaker Control Panel Indications
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The recent event at Robinson for which a SIT has commenced (soon be upgraded to an AIT) has resulted in the quick issuance of this Information Notice. It discusses the Robinson event and some other breaker control power operating experience that has determined that the following items are important to ensure proper breaker operation:

- the verification of control power indication for both safety-related and non-safety related circuit breakers during walkdowns
- the potential impact on safety-related equipment resulting from a loss of control power to non-safety related circuit breakers when they fail to open to isolate a fault.

See IN (ML101020184) for full details. The item has also been posted on the NRC public Generic Communication webpage for INs -

(Send IN to the four OpE regional contacts, assigned to Mark King - completed).

**New Reactors Items: None**

**Research (RES) Items: None**

**Items Screened Out\*: Fourteen (14) - 4 Event Notifications (ENs) and 10 Licensee Event Reports (LERs)**

1) EN 45838 – Harris 1 – Invalid Actuation of Motor Driven Auxiliary Feedwater Pump

EN 45839 – Part 21 - FAULTY MODULATION INDEX CONTROL CIRCUIT BOARD USED IN A POWER SUPPLY

3) EN 45840 – PILGRIM - LOSS OF EMERGENCY RESPONSE ORGANIZATION IN-PLANT NOTIFICATION SYSTEM

4) EN 45841 - PRAIRIE ISLAND 2 - OFFSITE NOTIFICATIONS DUE TO FISH KILL AND CHEMICAL RELEASE

5) LER 2512010002R0 – Turkey Point 4: Reactor Trip Resulting from Steam Generator Feedwater Pump Trip.

6) LER 2552010001R0 – Palisades: Potential Loss of Safety Function Due to Service Water Pump Shaft Coupling Failure.

7) LER 2772010001R0 – Peach Bottom 2: Multiple Slow Control Rods Results in Condition Prohibited by Technical Specifications.

8) LER 3682010001R0 – Arkansas 2: An Incorrect Core Protection Calculator Addressable Constant Induced By Personnel Error Resulted In A Condition Prohibited By Technical Specifications.

9) LER 3692010001R0 – McGuire 1: Power reduction of two units due to entry into LCO 3.0.3 caused by the inoperability of both trains of the Control Room Area Chilled Water System.

10) LER 3972008001R1 – Columbia: Reactor Scram due to Failed Compression Fitting. [Digital Electrohydraulic Control (DEH) trip header depressurized]

11) LER 3972009001R1 - Columbia: Reactor Scram due to Turbine Control System Trip Header Depressurization.

12) LER 3972009002R1 - Columbia: Manual Reactor Scram due to Loss of Hydrogen Pressure in the Main Generator.

13) LER 3972009003R1 - Columbia: Manual Reactor Scram due to a Fire Stemming from a Turbine Lube Oil leak.

14) LER 4832010001R0 – Callaway: Emergency Core Cooling System MODE 4 Operating Practices Prohibited by current TS 3.5.3.

*\*(i.e., Screened /reviewed against LIC-401 criteria for initiating an "Issue for Resolution" (IFR), which is IOEB's process for conducting further evaluation of an issue to determine what, if any, additional actions should be taken to communicate and organizationally learn from OpE.)*

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Attendees at Screening Meeting:

Mary Wegner (RES)- by phone  
Jose Jimenez (NRO)  
Mark King (portion)  
Mike Brown  
Dave Garmon  
Bob Bernardo  
Jesse Robles  
Steve Pannier

Mark King  
Senior Reactor Systems Engineer  
NRR/ADRO/DIRS/IOEB  
Operating Experience Branch  
301-415-1150  
[Mark.King@nrc.gov](mailto:Mark.King@nrc.gov)