

Lessard, Patrick

From
Sent:
To:

Thomas, Eric
Friday, February 12, 2010 3:01 PM
King, Mark; 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; Sabisch, Andrew; Ziedonis, Adam; Dugandzic, Aaron; Lewin, Aron; Rezai, Ali; Sengupta, Abhijit; Turilin, Andrey; 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, Bhalchandra; Bartlett, Bruce; Mozafari, Brenda; Yip, Brian; Smith, Brian; Dittman, Bernard; Jose, Benny; Casto, Chuck; Hott, Christopher; Julian, Caudle; Lipa, Christine; Sanchez, Chanel; Cauffman, Christopher; Khan, Cheryl; Pederson, Cynthia; Moulton, Charles; Lyon, Fred; Cahill, Christopher; Miller, Chris; Ng, Ching; Young, Cale; Paulk, Chuck; Rosselle, Chuck; Sanders, Carleen; Roquecruz, Carla; Kontz, Craig; Welch, Christopher; Goodwin, Cameron; Gratton, Christopher; Crisden, Cherie; Lochbaum, David; Powers, Dale; Everhart, Dave; Tifft, Doug; Graves, Chris; Johnson, Dante; Lew, David; Payne, Charlie; Dodson, Douglas; Hills, David; Jackson, Donald; White, Duane; Strickland, Duane; NRR_DIRS_IOEB Resource; Spindler, David; Roberts, Darrell; 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; 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; Robinson, Edward; 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; 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; Baptist, James; Dykert, Jason; Lane, John; Paige, Jason; Poole, Justin; Tsao, John; 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; Nadel, Jared; Thompson, Jon; Blake, Jerome; Corujo-Sandin, Jorge; McHale, John; Ashcraft, Joseph; Brand, Javier; Giantelli, Joseph; Lilliendahl, Jon; Trapp, James; Donohew, Jack; Adams, James; Boska, John; DeBoer, Joseph; Reynoso, John; Segala, John; Bream, Jeffrey; Hall, Randy; Hawkins, Justin; Jennings, Jason; White, John; Walsh, J; 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; Ayala, Juan; Cushing, Jack; Dozier, Jerry; Gall, Jennifer; Heisserer, Jamie; Kellum, Jim; Rady, Jeff; Robles, Jesse; Bucholtz, Kristy; Gray, Kathy; Mangan, Kevin; Young, Keith; Feintuch, Karl; Stodter, Karla; Ellis, Kevin; Hoffman, Keith; Kennedy, Kriss; Cotton, Karen; Kolaczyk, Kenneth; Mattern, Kevin; West, Steven; Kern, Ludwig; Fields, Leslie; 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; Cheok, Michael; Hay, Michael; Thadani, Mohan; Sykes, Marvin; Tschiltz, Michael; Hamm, Matthew; Schwieg, Mark; Speck, Mark; Balazik, Michael; Farnan, Michael; Evans, Michele; Vaaler, Marlayna; Chernoff, Margaret; Case, Michael; David, Marshall; Marshfield, Mark; Ross-Lee, MaryJane; Halter, Mandy; Webb, Michael; Brown, Michael; Chawla, Mahesh; Chambers, Michael; Dapas, Marc; Scott, Michael; Panicker, Mathew; Thorpe-Kavanaugh, Meghan; Phillips, Monte; Patel, Manan; Catts, Michelle; Reisifard, Mehdi; Sheikh, Mina; Young, Matt; Ferdas, Marc; Wegner, Mary; Markley, Michael; Abid, Mohammed; Banerjee, Maitri; Davis, Marlene; Fernandez, Mario; Gray, Mel; Junge, Michael; Jardaneh, Mahmoud; Kowal, Mark; Mahoney, Michael; Orr, Michael; Taylor, Nick; DiFrancesco, Nicholas; Salgado, Nancy; Lafferty, Nathan; Morgan, Nadiyah; Perry, Neil; Sieller, Nicole; Coleman, Nicole; Kalyanam, Kaly; Ayegbusi, Odunayo;

To: Tabatabai, Omid; Yee, On; Pederson, Perry; Lessard, Patrick; OBryan, Phil; Kaufman, Paul; Milano, Patrick; Prescott, Paul; Boyle, Patrick; Krohn, Paul; Alter, Peter; Bamford, Peter; McKenna, Phillip; Smagacz, Phillip; Niebaum, Phillip; Hiland, Patrick; Loudon, Patrick; Wilson, Peter; Lee, Pete; Finney, Patrick; Harris, Paul; Wen, Peter; Jervey, Richard; Montgomery, Richard; Nelson, Robert; Rasmussen, Richard; Cohen, Ronald; Elliott, Robert; Branch, Richard; Telson, Ross; Cureton, Ronald; Hickok, Roy; 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; Lorson, Raymond; Clagg, Rodney; Franovich, Rani; Nimitz, Ronald; Lerch, Robert; 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; Meighan, Sean; Rich, Sarah; Ibarrola, Sherlyn; Iyer, Shri; Collins, Sam; Pannier, Stephen; Vaughn, Stephen; Hansell, Samuel; Garry, Steven; Pindale, Stephen; Rutledge, Steven; Schneider, Max; Smith, Stacy; Bailey, Stewart; Lingam, Siva; Rutenkroger, Scott; Sanchez, Steven; Sands, Stephen; Hackworth, Sandra; Jones, Steve; Kennedy, Silas; Lee, Samuel; Lai, Sandra; Peng, Shie-Jeng; Beltz, Terry; Moslak, Thomas; Briley, Thomas; Hartman, Thomas; Kolb, Timothy; Setzer, Thomas; Bloomer, Tamara; Burton, Thomas; Chandler, Timothy; Hedigan, Tom; Walker, Tracy; Boyce, Tom (NRR); Kobetz, Timothy; McGinty, Tim; Orf, Tracy; Wengert, Thomas; Harriman, Thomas; Fredette, Thomas; Hipschman, Thomas; Lupold, Timothy; Pruett, Troy; Inverso, Tara; Morrissey, Thomas; Mossman, Timothy; Perin, Vanice; Gaddy, Vincent; Ordaz, Vonna; McCree, Victor; Rodriguez, Veronica; Sreenivas, V; Cook, William; Chalk, Wayne; Cartwright, William; Jones, William; Walker, Wayne; Ruland, William; Raymond, William; Borden, William; Deschaine, Wesley; Orders, William; Holcraft, Zachary

Subject: IOEB Clearinghouse Screening Summary for Monday, February 8, through Friday, February 12, 2010

[Note: Due to HQ weather-related office closures Feb 8-11th, this summary covers Operating Experience screened over the past 5 days]

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FROM ORIGINATOR

Issues for Resolution (IFR): None

OpE Forum Postings (COMMS): None

Management Requests: None

Follow-up/Other Tasks:

1) EN 45686 [Part 21] ABB INC. - POTENTIAL FAILURE OF A BREAKER COMPONENT TO COMPLY WITH DESIGN SPECIFICATIONS

A breaker failed during operation at Plant Vogtle. A failure analysis indicated that the resistors on the electronic board fail to an open circuit status. On January 14, 2010, a failure analysis indicated that the resistors fail to a short circuit status prior to failing open. In this failure mode, the internal temperature increases to a point where the plastic core melts and thereby can potentially block the operation of the internal plunger. In such a case, the breaker remains closed, but if the breaker is opened then a new closing command is not possible. ABB is taking, or has taken, the following corrective actions:

- A. As noted above, the only affected customer with a failed breaker is Southern Company's Nuclear Plant Vogtle, and ABB has discussed this issue with Southern Company. An interim report was issued on 1-18-2010.
- B. As an interim solution, ABB will provide a standard close coil. This solution will be limited to applications that do not require the low impedance in the close coil for lamp applications.

C. An alternate solution is to add 'b' contact (normally closed) in series with the existing close coil.

While not having a history of failure, it is noted that similar breakers are used at Plant Hatch.

(b)(5)

2) EN 45690 OCONEE - OFFSITE NOTIFICATION TO SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (DHEC) CONCERNING TRITIUM FOUND IN GROUND WATER

Event Description: Ground water monitoring wells were installed on the Oconee site and initially sampled in 2008 in support of the Nuclear Energy Institute (NEI) Ground Water Protection Initiative (NEI 07-07). As part of an ongoing investigation, a number of new monitoring wells have been installed and additional wells are in progress at Oconee. On February 8, 2010, Oconee was notified by the Duke Energy Environmental Lab that samples taken on January 26, 2010, from monitoring wells GM-7R and GM-7DR displayed tritium levels of 24,400 pCi/l and 35,400 pCi/l respectively, triggering the communication protocol of the NEI initiative. The threshold for initiating the communication protocol is 20,000 pCi/l. There is no public or plant worker risk associated with the GM-7R and GM-7DR well samples. Wells GM-7R and GM-7DR are not drinking water sources and therefore, there is no potential dose to the public or plant workers. Samples from surrounding monitoring wells indicate that tritium in ground water has not migrated off the plant site. Duke is continuing to investigate the source of tritium in wells GM-7R and GM-7DR. Tritium levels in samples from the remaining wells are below the communication protocol threshold. The licensee plans to notify the South Carolina DHEC state officials and local stakeholders of the sample results.

Initial Safety Significance: There is no safety significance due to the tritium identified in ground water at Oconee. The subject wells are not drinking water sources, and there is no indication tritium has migrated off the Oconee site in the ground water.

Corrective Action(s): The source of tritium in the ground water at Oconee is not understood at this time. Duke is continuing an investigation to identify the source and implement a corrective action plan. The licensee will issue a press release and has informed the NRC Resident Inspector (Forward to Tritium Groundwater Issues (Richard Conatser and Steve Garry) and HQ Public Affairs (Scott Burnell; assigned to Dave Garmon-Candelaria).

3) Oconee - Scaffold related value added observation

(b)(5)

(b)(5)

9) South Texas Project 1 - EN 45675 - Technical Specification Shutdown Required Due to Control Rod Out of Alignment (2/4) Update

Licensee performed individual and group testing over the weekend, including drop testing. They have also instrumented the rods and monitored several insert and withdraw cycles. Data has been provided to Westinghouse. Westinghouse is evaluating the data and will provide their analysis to the licensee today. Licensee is having a phone call with Region IV today to discuss. Preliminary evaluation is leaning toward loose corrosion products (from the PV head, manufactured by Mitsubishi Heavy Industries) which could be causing the binding. All indications to date are that withdrawal operations only have been affected, and there have been no indications of insertion issues. Licensee returned to 100% power on 2/11. Region IV continues to follow the licensee's actions. (Continue to Follow. Forward to Primary Materials TRG, Keith Hoffman, Reactor Systems (SRXB BC Greg Cranston) and Nuclear Performance Code (SNPB BC Anthony Mendiola))

(b)(5)

11) San Onofre - EN 45684 - EMERGENCY SIREN SPURIOUS ACTUATION

The cause of the previous siren activation noted in this EN (Similar to 1/19/10 event - EN 45636) was determined to be water intrusion due to a poor seal. Licensee has completed actions from that activation. There have not been any recent rain events. Also, the siren in question was out of service for maintenance, therefore, the licensee does not know at this time the cause of the actuation. There was some public interest. Forward to POC for Public Affairs (Scott Burnell), and EP TRG lead (Eric Schrader). Assigned to Jesse Robles.

12) EN 45692 - WOLF CREEK - POTENTIAL POST FIRE SAFE SHUTDOWN UNANALYZED CONDITION

A potential Post-Fire Safe Shutdown issue associated with the 'B' Emergency Diesel Generator Voltage Control Circuitry has been discovered, should a Control Room fire cause a hot short in the 'B' EDG Voltage Control Circuitry. A fire in the control circuit that renders the 'B' EDG inoperable and is large enough to require the Control Room to be evacuated during a loss of offsite power is an unanalyzed condition. This condition was discovered during a planned maintenance outage for the 'B' EDG. Compensatory measures are being established for early detection and extinguishment of a fire associated with this circuit in the Control Room.

[Update] The licensee performed a design and procedure change and corrected this issue. More information to follow (Forward to Fire Protection TRG, Brian Metzger and Electrical Power Issues TRG, Roy Mathew. Assigned to Jesse Robles.)

Research (RES) Items: None

New Reactors (NRO) Items: None

Items Screened* Out: Eight

- 1) EN 45693 - LIMERICK - TECHNICAL SUPPORT CENTER EMERGENCY VENTILATION SYSTEM MAINTENANCE
- 2) EN 45686 ABB INC. - POTENTIAL FAILURE OF A BREAKER COMPONENT TO COMPLY WITH DESIGN SPECIFICATIONS
- 3) EN 45687 BROWNS FERRY - FITNESS FOR DUTY - CONFIRMED POSITIVE ALCOHOL TEST FOR A NON-LICENSED SUPERVISOR
- 4) EN 45690 OCONEE - OFFSITE NOTIFICATION TO SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL (DHEC) CONCERNING TRITIUM FOUND IN GROUND WATER
- 5) EN 45651 - [UPDATE] PALO VERDE - ABB INC. (MEDIUM VOLTAGE SERVICE) - CIRCUIT BREAKER CHARGING MOTOR CRANK DOES NOT MEET HARDNESS SPECIFICATIONS- UPDATE
- 6) EN 45675 - SOUTH TEXAS 1 - TECHNICAL SPECIFICATION SHUTDOWN REQUIRED DUE TO CONTROL ROD OUT OF ALIGNMENT - UPDATE
- 7) EN 45684 - SAN ONOFRE - EMERGENCY SIREN SPURIOUS ACTUATION
- 8) EN 45692 - WOLF CREEK - POTENTIAL POST FIRE SAFE SHUTDOWN UNANALYZED CONDITION

**(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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FROM ORIGINATOR

Attendees:

Dave Garmon-Candelaria
Russ Haskell
Jesse Robles
Mark King
Mike Brown
Eric Thomas
Bob Bernardo

Eric Thomas
302-415-6772