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ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

March 5, 1986

Docket No. 50-461

Mr. James G. Keppler
Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Subject: 10CFR Part 21 Defect (21-83-05)
"Burndy-Husky Welds on Electrical Hangers"

Dear Mr. Keppler:

On February 14, 1983, Illinois Power Company received a Potential 10CFR21 Report from Baldwin Associates concerning welds on vendor fabricated cable tray hangers. Based on an evaluation, Illinois Power Company is providing the following information to the Commission in accordance with the requirements of 10CFR Part 21.21(b)(3).

- (i) D. P. Hall, Vice President of Illinois Power Company, by means of this report, hereby informs the Commission of a 10CFR Part 21 defect.
- (ii) The welds of concern are the DV-10 and DV-15 welds which are designed to restrain the longitudinal movement of cable trays.
- (iii) The cable tray hangers were supplied by Burndy-Husky who subcontracted their fabrication to Midland-Ross Corporation.
- (iv) Failure of these welds during a seismic event could mean damage to the hangers, possibly resulting in collapse of the tray, and damage to the safety and non-safety cables inside.
- (v) Illinois Power was informed of this potential defect by Baldwin Associates on February 14, 1983.
- (vi) All hangers with DV-10 and DV-15 welds reworked as a result of this investigation are listed on Attachment 1.
- (vii) All DV-10 and DV-15 welds were inspected and Deviation Reports (DRs) and Nonconformance Reports (NCRs) were initiated as appropriate. These reports were dispositioned "Rework to Design" and on November 20, 1985, all rework was completed.

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(viii) not applicable.

Our evaluation of this reportable defect is available for your review at our offices. I trust that this letter provides sufficient information for your review and analysis of the problem and solution.

Sincerely yours,



D. P. Hall
Vice President

KBR/ckc

Attachment

cc: U.S. NRC Resident Office
Illinois Department of Nuclear Safety
Director of Inspection and Enforcement (3 copies)
INPO Records Center
Burndy Husky, Inc.

ATTACHMENT 1

<u>HANGER</u>	<u>DR</u>	<u>NCR</u>
E26-1000-03A-H3	5895	
H6	5600	
E26-1000-01B-H4	5599	
H6	10160	
H7	10162	
E26-1000-02B-H1	5845	
H8	10163	
H9	10161	
E26-1000-03B-H1	10158	
H6	10147	
E26-1002-02A-H8		17043
E26-1004-03A-H9	5951	
H11	5945	
H13	5950	
E26-1004-05A-H1	5946	
H3	5948	
E27-1003-03C-H21		8755
E28-1000-03A-H4	10153	
H7	10152	
H13	5743	
H15	10154	
H16	10146	
E28-1000-05A-H7	10071	
H12	5922	
H13	5924	
H17	10165	
H18	10164	
E28-1000-06A-H1	10149	
H11	10126	
H15	10127	
H16	10045	
H18	10151	
H19	10150	
H22	10040	
H27	10124	
H28	10123	
H12		16778

ATTACHMENT 1

<u>HANGER</u>	<u>DR</u>	<u>NCR</u>
E28-1000-07A-H5	10043	
H6	10044	
H10	10122	
H11	10121	
E28-1000-08A-H6		8779
H11	10065	
H12	10069	
E28-1001-08A-H6		8772
H21		8773
H24	5893	
H25	5894	
H31	10050	
H32	10049	
E29-1001-04A-H7	5579	
E30-1000-01A-H11	5444	
H13	5445	
H16	5419	
H19	5437	
H22	5457	
E30-1000-01B-H9	5497	
H17	5503	
H21	5520	
E30-1000-02B-H9		24645
H18	5485	
H26	5482	
E30-1000-03A-H18	5418	
H19	5424	
E30-1000-03B-H2	5522	
H5	5469	
H6	5468	DEH
H10	5465	
H11	5466	DEH
E30-1000-04A-H6	5447	
H10	5439	
H11	5440	
H12	5442	
E30-1000-04B-H9	5498	

DEH = Deleted Electrical Hanger - These hangers have been removed from the site.

ATTACHMENT 1

<u>HANGER</u>	<u>DR</u>	<u>NCR</u>	
E30-1000-05B-H10	5488		
E30-1000-06A-H6	5427		
H7	5425		
E30-1000-06B-H2	5484		
H5	5463		
E30-1001-01A-H3	5627		
H7	5608		
H8	5609		
H27	5646		
H30	5644		
H31	5645		
E30-1001-02A-H6	5604		
H12	5606		
H13	5605		
H14	5578		
H24	5610		
H9		15043	
H20		15043	
E30-1001-03A-H1		13516	DEH
H2		13517	DEH
H4	5923		
H5	5926		DEH
H11	5584		DEH
H12	5583		DEH
H23	5534		DEH
H28	5542		DEH
H29	5535		DEH
H43	10066		DEH
H44	10065		DEH
H46	5921		DEH
H47	5727		DEH
E30-1001-04A-H1	5649		
H2	5653		
H14	5516		
E30-1001-05A-H3		24472	
H4		24473	
H6	5920		DEH
H7	5925		DEH
E30-1001-06A-H1	5588		DEH
H2	5587		DEH

DEH = Deleted Electrical Hanger

ATTACHMENT 1

<u>HANGER</u>	<u>DR</u>	<u>NCR</u>
E30-1002-01A-H1	5665	
H10	5684	
H11	5681	
H12	5703	
H13	5700	
H15	5702	
H34	5679	
H41	5811	
E30-1002-01A-H48	5809	
H68	5797	
H69	5776	
H26		16253
E30-1002-02A-H40	5795	
E30-1002-03A-H5	5728	DEH
H9	5724	DEH
H10	5723	DEH
H13	5726	DEH
E30-1002-04A-H5	5659	
H6	5662	
H8		21635
H9	5791	
H11	5651	
H12	5648	
H26	5663	
H27	5652	
H29	5660	
E30-1002-05A-H2		16264
H5		24403
H8	5698	
H11	10053	
H12	10052	
E30-1003-01A-H24	5828	
E30-1003-04A-H7	5808	
H8	5807	
E30-1003-05A-H2	5833	
E30-1005-02A-H2		13215
E30-1005-04A-H8	5859	
H17	5854	
H36	5858	

DEH = Deleted Electrical Hanger