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FITZPATRICK,E. American Electric Power Co., Inc.
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SUBJECT: Provides addl info re NRC Bulletin 96-001 which had been sent to all holders of PWR OLs to alert of problems encountered during recent events in which control rods failed to completely insert upon scram signal.

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American Electric Power
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Columbus, OH 43215 2373
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AMERICAN ELECTRIC POWER

AEP:NRC:1249A

June 28, 1996
Docket Nos.: 50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Donald C. Cook Nuclear Plant Unit 2
NRC BULLETIN 96-01: CONTROL ROD INSERTION PROBLEMS

The purpose of this letter is to provide additional information regarding NRC Bulletin 96-01. NRC Bulletin 96-01 was sent to all holders of pressurized water reactor operating licensees to alert them to problems encountered during recent events in which control rods failed to completely insert upon a scram signal and to request an assessment of the operability of control rods, particularly in high burnup fuel assemblies. Our initial response to Bulletin 96-01 was transmitted to the NRC via letter AEP:NRC:1249 dated April 8, 1996.

Donald C. Cook Nuclear Plant Unit 2 is currently operating in its eleventh fuel cycle. Information regarding assembly burnup for this cycle is contained in the attachment to this letter. As discussed in our initial response, this information was not available in April 1996, when the available requested information was transmitted.

Sincerely,

E. E. Fitzpatrick
Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 27th DAY OF June 1996

Notary Public

My Commission Expires: 6-28-99

010044

Attachment

IE57

cc: A. A. Blind
G. Charnoff
H. J. Miller - Region III Administrator
NFEM Section Chief
NRC Resident Inspector - Bridgman
J. R. Padgett

bc: S. J. Brewer/D. H. Malin/M. S. Ackerman
J. B. Kingseed/G. John
J. A. Kobyra/S. H. Steinhart/S. P. Hodge/D. R. Hafer
J. B. Shinnock
J. S. Wiebe
J. B. Hickman, NRC - Washington, D.C. - w/attachment
M. E. Eberhardt - w/attachment
PRONET - w/attachment
DC-N-6015.1

ATTACHMENT 1 TO AEP:NRC:1249A

ADDITIONAL INFORMATION REQUESTED IN

NRC BULLETIN 96-01

Additional Information

This attachment provides assembly burnup information for Unit 2, Cycle 11. The beginning-of-cycle burnup is the measured burnup and the end-of-cycle burnup is calculated by the fuel vendor. The fuel type information and core maps indicating the rodded assemblies were provided in our initial response to NRC Bulletin 96-01 (AEP:NRC:1249, dated April 8, 1996).

Begining of Cycle Assembly Burnup
Unit 2, Cycle 11

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
W14	R112	H08	11	39084
Y01	R18	D12	11	16170
Y05	R143	M04	11	15512
Y06	R120	D04	11	15513
Y07	R155	M12	11	15355
Y09	R118	K06	11	23490
Y13	R144	F10	11	23683
Y14	R119	K10	11	23419
Y15	R140	F06	11	23705
Y17	R110	H10	11	22978
Y18	R154	H06	11	22825
Y20	R135	C11	11	23809
Y21	R147	E03	11	23526
Y23	R145	N05	11	23470
Y24	R134	E13	11	23525
Y26	R127	L13	11	23556
Y27	R138	F08	11	22707
Y28	R106	C05	11	23735
Y29	R01	N11	11	23517
Y30	R141	K08	11	22977
Y35	R137	L03	11	23645
Y45	R153	J13	11	22985
Y46	R139	G03	11	22350
Y50	R126	C07	11	22466
Y53	R124	G13	11	22133
Y59	R116	N07	11	22311
Y60	R103	N09	11	22465
Y61	R40	C09	11	22569
Y64	R102	J03	11	22546
Z01	R131	B12	11	0

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
Z02	R128	M02	11	0
Z03	R123	D14	11	0
Z04	R136	D02	11	0
Z05	R125	P04	11	0
Z06	R101	B04	11	0
Z07	R115	P12	11	0
Z08	R104	M14	11	0
Z09	R146	B10	11	0
Z10	R133	K02	11	0
Z11	R109	F14	11	0
Z12	R111	F02	11	0
Z13	R107	P06	11	0
Z14	R113	B06	11	0
Z15	R122	P10	11	0
Z16	R150	K14	11	0
Z41	R130	P08	11	0
Z44	R114	H02	11	0
Z46	R105	H14	11	0
Z52	R129	B08	11	0
Z65	R117	H12	11	0
Z72	R142	D08	11	0
Z74	R108	H04	11	0
Z76	R121	M08	11	0

End of Cycle Assembly Burnup
Unit 2, Cycle 11

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
W14	R112	H08	11	55069
Y01	R18	D12	11	37509
Y05	R143	M04	11	37239
Y06	R120	D04	11	37240
Y07	R155	M12	11	37240
Y09	R118	K06	11	44414
Y13	R144	F10	11	44415
Y14	R119	K10	11	44416
Y15	R140	F06	11	44413
Y17	R110	H10	11	43195
Y18	R154	H06	11	43185
Y20	R135	C11	11	43759
Y21	R147	E03	11	43740
Y23	R145	N05	11	43751
Y24	R134	E13	11	43941
Y26	R127	L13	11	43740
Y27	R138	F08	11	43184
Y28	R106	C05	11	43752
Y29	R01	N11	11	43753
Y30	R141	K08	11	43185
Y35	R137	L03	11	43738
Y45	R153	J13	11	44130
Y46	R139	G03	11	44130
Y50	R126	C07	11	44188
Y53	R124	G13	11	44119
Y59	R116	N07	11	44189
Y60	R103	N09	11	44189
Y61	R40	C09	11	44188
Y64	R102	J03	11	44130
Z01	R131	B12	11	18413

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
Z02	R128	M02	11	18414
Z03	R123	D14	11	18417
Z04	R136	D02	11	18420
Z05	R125	P04	11	18409
Z06	R101	B04	11	18416
Z07	R115	P12	11	18416
Z08	R104	M14	11	18419
Z09	R146	B10	11	23329
Z10	R133	K02	11	23350
Z11	R109	F14	11	23338
Z12	R111	F02	11	23352
Z13	R107	P06	11	23329
Z14	R113	B06	11	23332
Z15	R122	P10	11	23332
Z16	R150	K14	11	23351
Z41	R130	P08	11	24325
Z44	R114	H02	11	24340
Z46	R105	H14	11	24335
Z52	R129	B08	11	24324
Z65	R117	H12	11	26392
Z72	R142	D08	11	26392
Z74	R108	H04	11	26397
Z76	R121	M08	11	26393

American Electric Power
1 Riverside Plaza
Columbus, OH 43215 2373
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AMERICAN ELECTRIC POWER

AEP:NRC:1249A

June 28, 1996
Docket Nos.: 50-316

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

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Sincerely,

E. E. Fitzpatrick
Vice President

SWORN TO AND SUBSCRIBED BEFORE ME

THIS 27th DAY OF June 1996

Notary Public

My Commission Expires: 6-23-99

Attachment

9607010374 8PP

cc: A. A. Blind
G. Charnoff
H. J. Miller - Region III Administrator
NFEM Section Chief
NRC Resident Inspector - Bridgman
J. R. Padgett

ATTACHMENT 1 TO AEP:NRC:1249A

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NRC BULLETIN 96-01

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Unit 2, Cycle 11

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
W14	R112	H08	11	39084
Y01	R18	D12	11	16170
Y05	R143	M04	11	15512
Y06	R120	D04	11	15513
Y07	R155	M12	11	15355
Y09	R118	K06	11	23490
Y13	R144	F10	11	23683
Y14	R119	K10	11	23419
Y15	R140	F06	11	23705
Y17	R110	H10	11	22978
Y18	R154	H06	11	22825
Y20	R135	C11	11	23809
Y21	R147	E03	11	23526
Y23	R145	N05	11	23470
Y24	R134	E13	11	23525
Y26	R127	L13	11	23556
Y27	R138	F08	11	22707
Y28	R106	C05	11	23735
Y29	R01	N11	11	23517
Y30	R141	K08	11	22977
Y35	R137	L03	11	23645
Y45	R153	J13	11	22985
Y46	R139	G03	11	22350
Y50	R126	C07	11	22466
Y53	R124	G13	11	22133
Y59	R116	N07	11	22311
Y60	R103	N09	11	22465
Y61	R40	C09	11	22569
Y64	R102	J03	11	22546
Z01	R131	B12	11	0

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
Z02	R128	M02	11	0
Z03	R123	D14	11	0
Z04	R136	D02	11	0
Z05	R125	P04	11	0
Z06	R101	B04	11	0
Z07	R115	P12	11	0
Z08	R104	M14	11	0
Z09	R146	B10	11	0
Z10	R133	K02	11	0
Z11	R109	F14	11	0
Z12	R111	F02	11	0
Z13	R107	P06	11	0
Z14	R113	B06	11	0
Z15	R122	P10	11	0
Z16	R150	K14	11	0
Z41	R130	P08	11	0
Z44	R114	H02	11	0
Z46	R105	H14	11	0
Z52	R129	B08	11	0
Z65	R117	H12	11	0
Z72	R142	D08	11	0
Z74	R108	H04	11	0
Z76	R121	M08	11	0

End of Cycle Assembly Burnup
Unit 2, Cycle 11

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
W14	R112	H08	11	55069
Y01	R18	D12	11	37509
Y05	R143	M04	11	37239
Y06	R120	D04	11	37240
Y07	R155	M12	11	37240
Y09	R118	K06	11	44414
Y13	R144	F10	11	44415
Y14	R119	K10	11	44416
Y15	R140	F06	11	44413
Y17	R110	H10	11	43195
Y18	R154	H06	11	43185
Y20	R135	C11	11	43759
Y21	R147	E03	11	43740
Y23	R145	N05	11	43751
Y24	R134	E13	11	43941
Y26	R127	L13	11	43740
Y27	R138	F08	11	43184
Y28	R106	C05	11	43752
Y29	R01	N11	11	43753
Y30	R141	K08	11	43185
Y35	R137	L03	11	43738
Y45	R153	J13	11	44130
Y46	R139	G03	11	44130
Y50	R126	C07	11	44188
Y53	R124	G13	11	44119
Y59	R116	N07	11	44189
Y60	R103	N09	11	44189
Y61	R40	C09	11	44188
Y64	R102	J03	11	44130
Z01	R131	B12	11	18413

ASSEMBLY ID	RCCA ID	CORE LOCATION	CYCLE	BURNUP(MWD/MTU)
Z02	R128	M02	11	18414
Z03	R123	D14	11	18417
Z04	R136	D02	11	18420
Z05	R125	P04	11	18409
Z06	R101	B04	11	18416
Z07	R115	P12	11	18416
Z08	R104	M14	11	18419
Z09	R146	B10	11	23329
Z10	R133	K02	11	23350
Z11	R109	F14	11	23338
Z12	R111	F02	11	23352
Z13	R107	P06	11	23329
Z14	R113	B06	11	23332
Z15	R122	P10	11	23332
Z16	R150	K14	11	23351
Z41	R130	P08	11	24325
Z44	R114	H02	11	24340
Z46	R105	H14	11	24335
Z52	R129	B08	11	24324
Z65	R117	H12	11	26392
Z72	R142	D08	11	26392
Z74	R108	H04	11	26397
Z76	R121	M08	11	26393