

Duke Power Company
McGuire Nuclear Generation Department
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DUKE POWER

May 23, 1996

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

SUBJECT: Duke Power Company
McGuire Nuclear Station - Unit 2
Docket No. 50-370
NRC Bulletin 96-01 - Outage Test Data

Reference: McGuire Letter of 5/13/96

The purpose of this letter is to provide additional information on McGuire Unit 2 actions taken during the current refueling outage (2EOC10) in response to NRC Bulletin 96-01.

NRC Bulletin 96-01, dated March 8, 1996, requested holders of operating licenses for Westinghouse designed plants to take actions and supply information to the NRC regarding recent control rod insertion problems. The initial Duke Power response to this bulletin was provided by letter dated April 4, 1996 and supplemented with additional information by letter dated April 30, 1996.

The response regarding McGuire Unit 2 refueling outage data and information was initially provided in the referenced May 13, 1996 letter. Attached is Unit 2 control rod drop time data which was inadvertently omitted from the referenced May 13, 1996 response.

Please direct questions on this matter to James E. Snyder at
(704) 875-4447.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'T. C. McMeekin'.

T. C. McMeekin

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PDR ADOCK 05000370
Q PDR

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U. S. Nuclear Regulatory Commission
Document Control Desk
May 13, 1996

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Attachment 1

McGuire Unit 2 Control Rod Drop time Data

cc: Mr. S. D. Ebnetter
Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, Ga. 30323

Mr. Victor Nerses
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation (14H25)
Washington, D.C. 20555

Mr. Peter Tam
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Mr. George F. Maxwell
NRC Senior Resident Inspector
McGuire Nuclear Station

ATTACHMENT 1

Table 1

WORK REQUEST HISTORY (DATA IN SECONDS)

UNIT #2	#91109670	#93011552	#93011552	#93011552	#94048763	#94048763	#94048763	Jan-95	#96024698	#96024698	#96024698	Apr-96	95-96
DATE	Mar-92	Sep-93	Sep-93	DASH POT	Jan-95	Jan-95	DASH POT	Burnup	Apr-96	Apr-96	DASH POT	Burnup	DASH POT
ROD		DASHPOT	ROD BOTTOM	ROD BOTTOM	DASHPOT	ROD BOTTOM	ROD BOTTOM	MWD/MTU	DASHPOT	ROD BOTTOM	ROD BOTTOM	MWD/MTU	ROD BOTTOM
B-04	1.410	1.450	2.020	0.570	1.440	1.969	0.529	18200	1.470	1.980	0.510	28790	-0.019
B-06	1.420	1.470	1.950	0.480	1.450	2.010	0.560	16740	1.471	2.027	0.556	32720	-0.004
B-08	1.420	1.450	1.950	0.500	1.430	1.970	0.540	25780	1.469	1.989	0.520	40890	-0.020
B-10	1.430	1.460	1.980	0.520	1.440	1.940	0.500	16730	1.467	1.975	0.508	32470	0.008
B-12	1.400	1.440	1.960	0.520	1.450	2.010	0.560	17350	1.504	2.080	0.576	27840	0.016
C-05	1.400	1.420	1.970	0.550	1.420	1.963	0.543	18970	1.448	1.978	0.530	36830	-0.013
C-07	1.380	1.420	1.940	0.520	1.410	1.938	0.528	19200	1.456	2.000	0.544	37750	0.016
C-09	1.390	1.420	1.930	0.510	1.440	1.998	0.558	19570	1.478	2.060	0.582	38090	0.024
C-11	1.400	1.420	1.970	0.550	1.440	2.005	0.565	19460	1.458	2.046	0.588	37590	0.023
D-02	1.530	1.460	2.050	0.590	1.460	2.005	0.545	17420	1.462	1.980	0.518	27920	-0.027
D-04	1.400	1.450	1.950	0.500	1.460	2.030	0.570	19430	1.449	2.017	0.568	37450	-0.002
D-08	1.390	1.420	1.880	0.460	1.400	1.945	0.545	26100	1.414	1.958	0.544	44720	-0.001
D-12	1.410	1.440	1.930	0.490	1.440	1.960	0.520	19330	1.491	2.059	0.568	37500	0.048
D-14	1.430	1.480	2.040	0.560	1.420	2.029	0.609	17500	1.482	2.010	0.528	28320	-0.081
E-03	1.450	1.440	1.950	0.510	1.430	1.964	0.534	19320	1.448	2.000	0.552	37200	0.018
E-13	1.420	1.430	1.960	0.530	1.440	1.986	0.546	19370	1.510	2.094	0.584	37420	0.038
F-02	1.410	1.430	2.000	0.570	1.420	1.950	0.530	16530	1.443	1.971	0.528	32410	-0.002
F-06	1.350	1.430	1.910	0.480	1.420	1.980	0.560	29840	1.485	2.085	0.600	47850	0.040
F-08	1.380	1.430	1.860	0.420	1.430	1.969	0.539	29490	1.478	2.031	0.553	47670	0.014
F-10	1.370	1.430	1.900	0.470	1.410	1.970	0.560	29670	1.509	2.161	0.652	47870	0.092
F-14	1.440	1.480	1.990	0.510	1.450	2.000	0.550	16510	1.479	1.997	0.518	32480	-0.032
G-03	1.420	1.440	1.970	0.530	1.430	1.959	0.529	19820	1.438	2.006	0.568	38390	0.039
G-13	1.440	1.420	1.940	0.520	1.430	1.972	0.542	19100	1.484	2.050	0.566	37580	0.024
H-02	1.410	1.470	2.030	0.560	1.450	1.960	0.510	25810	1.481	1.997	0.516	40850	0.006
H-04	1.380	1.450	1.910	0.460	1.430	1.957	0.527	25750	1.444	1.994	0.550	44350	0.023
H-06	1.360	1.450	1.910	0.460	1.430	1.957	0.527	29740	1.498	2.054	0.556	48080	0.029
H-08	1.400	1.450	1.960	0.510	1.520	2.100	0.580	36790	1.613	2.275	0.662	53180	0.082
H-10	1.390	1.430	1.890	0.460	1.440	1.966	0.526	29970	1.614	2.200	0.586	47930	0.060
H-12	1.400	1.440	1.900	0.460	1.420	1.995	0.575	25600	1.482	2.078	0.596	44010	0.021
H-14	1.470	1.450	1.980	0.530	1.440	1.990	0.550	26250	1.477	2.025	0.548	41110	-0.002
J-03	1.390	1.430	1.940	0.510	1.430	1.960	0.530	18930	1.442	1.982	0.540	37530	0.010
J-13	1.400	1.420	1.980	0.560	1.420	1.922	0.502	19280	1.442	1.950	0.508	37610	0.006
K-02	1.430	1.490	2.040	0.550	1.450	1.990	0.540	16620	1.461	2.013	0.552	32680	0.012
K-06	1.370	1.420	1.900	0.480	1.410	1.980	0.570	29750	1.521	2.109	0.588	47920	0.018
K-08	1.320	1.410	1.860	0.450	1.410	1.948	0.538	30200	1.443	2.008	0.565	48010	0.027
K-10	1.390	1.440	1.910	0.470	1.430	1.930	0.500	29560	1.513	2.065	0.552	47410	0.052
K-14	1.430	1.460	1.960	0.500	1.430	1.950	0.520	16690	1.459	1.967	0.508	32400	-0.012

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ROD		DASHPOT	ROD BOTTOM	ROD BOTTOM	DASHPOT	ROD BOTTOM	ROD BOTTOM	MWD/MTU	DASHPOT	ROD BOTTOM	ROD BOTTOM	MWD/MTU	ROD BOTTOM
L-02	1.390	1.410	1.930	0.520	1.420	1.961	0.541	18890	1.444	1.987	0.543	36940	0.002
L-13	1.440	1.450	2.000	0.550	1.460	1.997	0.537	19230	1.464	1.984	0.520	37180	-0.017
M-02	1.440	1.460	2.010	0.550	1.450	2.020	0.570	17940	1.456	2.008	0.552	28460	-0.018
M-04	1.400	1.430	1.900	0.470	1.420	1.950	0.530	19200	1.455	2.005	0.550	37080	0.020
M-03	1.360	1.430	1.900	0.470	1.410	1.931	0.521	25990	1.418	1.934	0.516	44380	-0.005
M-12	1.410	1.430	1.910	0.480	1.460	2.010	0.550	19160	1.445	1.981	0.536	37290	-0.014
M-14	1.440	1.480	2.070	0.590	1.460	2.010	0.550	18290	1.450	1.966	0.516	28860	-0.034
N-05	1.420	1.400	1.960	0.560	1.400	1.938	0.538	19410	1.426	1.974	0.548	37130	0.010
N-07	1.380	1.420	1.980	0.560	1.420	1.954	0.534	19190	1.440	1.988	0.548	37600	0.014
N-09	1.390	1.420	1.970	0.550	1.450	1.989	0.539	18470	1.550	2.220	0.670	36890	0.131
N-11	1.380	1.410	1.910	0.500	1.410	1.931	0.521	18950	1.432	1.960	0.528	36880	0.007
P-04	1.400	1.450	2.000	0.550	1.440	1.983	0.543	17660	1.451	2.011	0.560	28240	0.017
P-06	1.430	1.430	1.920	0.490	1.410	1.940	0.530	17060	1.435	1.975	0.540	32750	0.010
P-08	1.390	1.410	1.980	0.570	1.410	2.000	0.590	25560	1.433	2.025	0.592	40470	0.002
P-10	1.400	1.440	1.970	0.530	1.410	1.930	0.520	16630	1.463	1.973	0.510	32440	-0.010
P-12	1.400	1.420	1.930	0.510	1.420	1.983	0.563	17530	1.440	1.996	0.556	28100	-0.007
AVERAGE	1.406	1.438	1.953	0.515	1.432	1.975	0.542	21538	1.470	2.024	0.554	37953	0.012