SEP 05 1984

Warren H. Owen
Executive Vice President,
Engineering and Construction
Duke Power Company
422 South Church Street
Charlotte, N.C. 28242

50-413

Dear Mr. Owen:

I am writing to express the NRC's appreciation for your assistance and for the cooperation of Duke Power Company in planning and conducting the July 19, 1984 development exercise for our Emergency Response Data System. The exercise was very successful in demonstrating the value of regular electronic data updates during emergencies. It was also extremely useful in developing the NRC's understanding of how to best manage and benefit from electronic data. Our Reactor Safety Team and Protective Measures Team personnel were very favorably impressed with the improvement it represents. A copy of our exercise report memorandum is enclosed for your information.

We are grateful for the time spent by Mike Glover, Ron Harris, and particularly, Greg Rogers in preparations prior to the actual exercise. Their efforts in adapting your Crisis Management Data Transmission System, to simulate the more limited transmissions expected from other licensees, provided a meaningful test of NRC's current ERDS concept.

We are also pleased to have had the practice with your Crisis Management Data Transmission System, particularly because it covers 7 nuclear units. It is reassuring that your system is available for our future use in the event that unfortunate circumstances should ever make it necessary.

Please pass along our thanks to all those involved in making this exercise a positive experience.

Sincerely,
Original Signed By:
E. L. Jordan
Edward L. Jordan, Director
Division of Emergency Preparedness
and Engineering Response
Office of Inspection and Enforcement

8409130011 XA

Enclosure: Exercise Report Memorandum

cc: R. Michael Glover, Duke Power Company
Ronald E. Harris, Duke Power Company
Randy Leonard, Duke Power Company
Gail Merritt, Duke Power Company
Greg Rogers, Duke Power Company

bcc: William Orders, McGuire Resident Inspector
Phil Stohr, Region II

Distribution:

DCS	S. Schwartz
IRB File	S. Long
DEPER Rdg.	G. Lanik
E. Jordan	E. Rossi
K. Perkins	

* For concurrence see previous page.

*DEPER:IE	DEPER:IE	DEPER:IE	IRB:DEPER:IE	D:DEPER:IE
SLong:dh	GLanik	ERossi	KPerkins	EJordan
08/31/84	08/31/84	08/31/84	08/4/84	09/4/84

PARTICIPANTS

FACILITY:

DATE:

NAME	ORGANIZATION	PHONE
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Fraiser Simpson	Production Computer Applications Section	373-5757
James Eberle	Phoenix Associates	(301) [redacted]654-0850
Peter Hastings	ONS Performance	(864) 882-2569
Alan D. Sweney	ONS I+E	882-2517
Randy Leonard	MNS Emerg. Pln	875-1357
Coleman Jennings	ONS Station Planner	882-5363
Brad McRee	GO Emergency Planning	(704) 373-5149

CONTACTS FOR DUKE ERDS/CRISIS MANAGEMENT DATA TRANSMITTAL SYSTEM

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Glenn Horne (704) 373-8552

Brad McRee (704) 373-5149
(Works for Ron Harris)

Greg Rogers (704) 373-6140 @ Corporate
(803) 324-3128 x2796 @ Catawba

Other Possible

Licensing - Corporate
Robert Sharpe (704) 373-8466

Technical Lead - SPDS
R. Morgan

H. J. Lee (Jackie)
J. Warren Steven
(704) 373-4531

Electrical, I&C
Clay Little (704) 373-5166

02/21/86 CATAWBA 1 TSC PRINTER

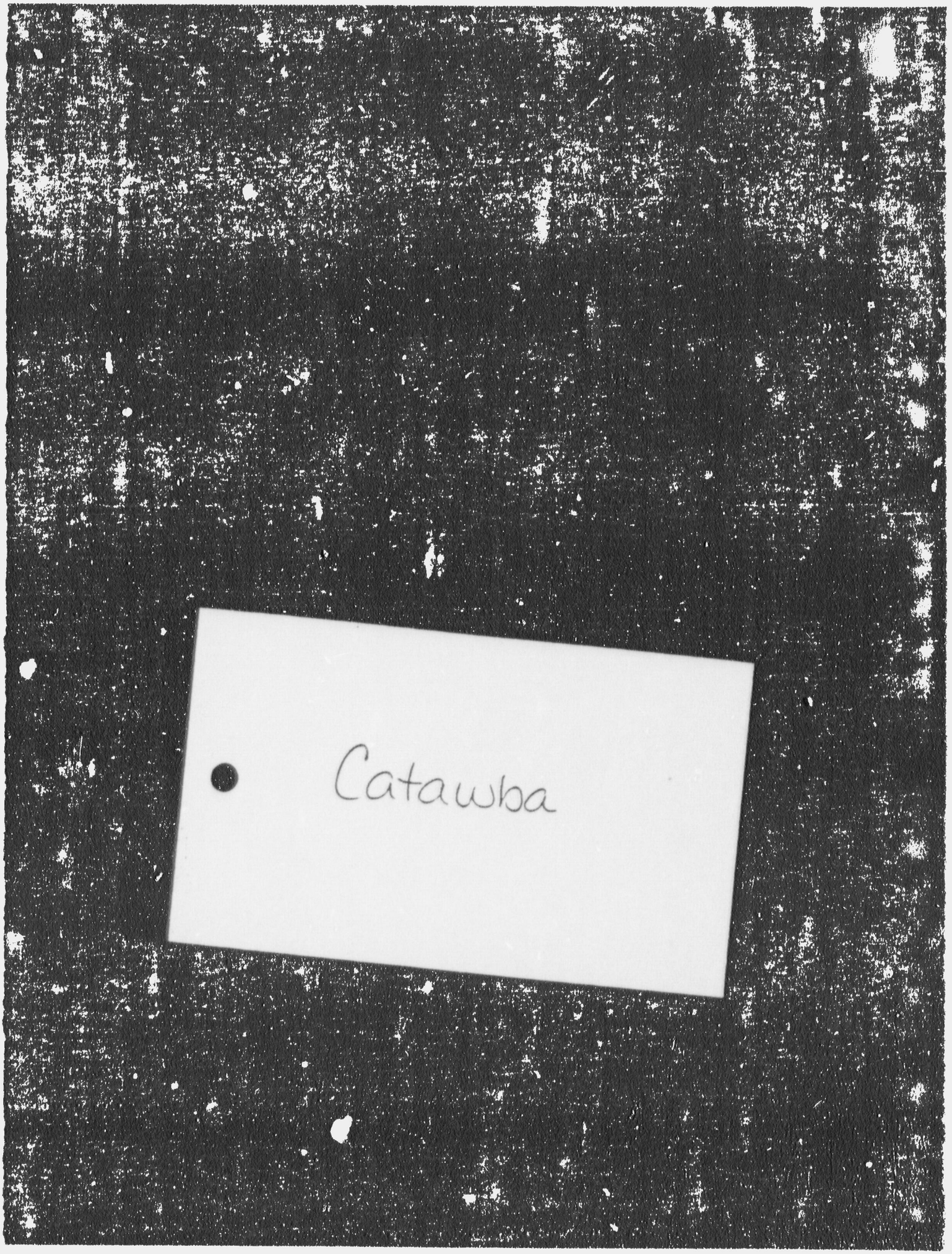
09:03:19A PLANT DATA AND STATUS (EMERGENCY TSC USE)

PLANT STATUS:

OAC COMPUTER POINT				OAC COMPUTER POINT			
PRIMARY SYSTEM				AUXILIARY/INJECTION SYSTEMS			
A0668	618.6	DEG F	NC LOOP A WIDE RANGE HOT LEG TEMP	A0452	75.8	GPM	NV LETDOWN FLOW
A0669	613.5	DEG F	NC LOOP B WIDE RANGE HOT LEG TEMP	A0820	112.2	GPM	CHARGING LINE FLOW CONTROL
A0670	616.9	DEG F	NC LOOP C WIDE RANGE HOT LEG TEMP	A1262	95.8	%	FWST LEVEL CH 1
A0671	614.4	DEG F	NC LOOP D WIDE RANGE HOT LEG TEMP	A1013	571.4	FT	SNSWP LEVEL
A0700	561.0	DEG F	NC LOOP A WIDE RANGE COLD LEG TEM	A0586	4.219	KV	4KV BUS ETA VOLTS
A0706	555.8	DEG F	NC LOOP B WIDE RANGE COLD LEG TEM	A0575	4.234	KV	4KV BUS ETB VOLTS
A0712	560.5	DEG F	NC LOOP C WIDE RANGE COLD LEG TEM	D2450	OFF		CENTRIFUGAL CHARGING PUMP A
A0718	559.8	DEG F	NC LOOP D WIDE RANGE COLD LEG TEM	D2440	ON		CENTRIFUGAL CHARGING PUMP B
P0828	624.0	DEG F	5 HIGHEST IN-CORE T/C TEMP	P1325	80	GPM	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW
P1545	13.1	DEG F	LOWEST NC SYSTEM SUBCOOLING MARGI	D2456	OFF		NI PUMP A
P1389	2272	PSIA	NC SYSTEM PRESSURE, BEST ESTIMATE	D2446	OFF		NI PUMP B
A0713	2235	PSIG	PZR PRESS CH I	A0902	0	GPM	ND HX A OUTLET FLOW
A0707	56.9	%	PZR LEVEL CH I	A0908	0	GPM	ND HX B OUTLET FLOW
P0164	*	%	RVLIS TRAIN A UPPER RANGE	D2455	OFF		ND PUMP A
D2037	ON		REACTOR COOLANT PUMP A	D2445	OFF		ND PUMP B
D2085	ON		REACTOR COOLANT PUMP B				
D2038	ON		REACTOR COOLANT PUMP C	CONTAINMENT/RADIATION/ENVIRONMENTAL SYSTEMS			
D2086	ON		REACTOR COOLANT PUMP D				
A1218	293.7	PPM	CVCS BORON METER CONCENTRATION	A1499	0.2	PSIG	CONTAINMENT WIDE RANGE PRESSURE TRAIN A
A1248X	.....*	CPS	SOURCE RANGE LEVEL CHANNEL 1	P1500	80.7	DEG F	UPPER CONT AVG TEMP - OPERATING UNITS
A0766	3.613E-01	MA	INTERMEDIATE RANGE LEVEL CHANNEL	A1418	0.7	FT	CONTAINMENT SUMP LEVEL A
P0738	99.6	%	POWER RANGE AVG LEVEL AVG	A0939	-7.5	%	CONTAINMENT HYDROGEN CONCENTRATION TRAIN A
				D2448	OFF		NS PUMP A
SECONDARY SYSTEM				D2438	OFF		NS PUMP B
				P0128	1.309E 04	CPM	EMF48 REACTOR COOLANT MONITOR
A0674	62.8	%	S/G A WIDE RANGE LEVEL	A1308	1	R/HR	EMF53A CONT HIGH RANGE MONITOR TRAIN A
A0680	62.7	%	S/G B WIDE RANGE LEVEL	A1314	6	R/HR	EMF53B CONT HIGH RANGE MONITOR TRAIN B
A0686	62.2	%	S/G C WIDE RANGE LEVEL	A1315	3	R/HR	EMF54 UNIT VENT EXTENDED RANGE MONITOR
A0692	62.5	%	S/G D WIDE RANGE LEVEL	A0048	2.829E 01	CPM	EMF37 UNIT VENT IODINE MONITOR
A0723	1001	PSIG	S/G A STEAM PRESS CH #1	P1822	1.232E 00	COUNTS	EMF37 DELTA COUNTS LAST 15 MINUTES
A0729	999	PSIG	S/G B STEAM PRESS CH #1	A0013	1.113E 02	CPM	EMF36L UNIT VENT GAS MONITOR
A0735	1021	PSIG	S/G C STEAM PRESS CH #1	A0019	1.336E 01	CPM	EMF36H UNIT VENT GAS MONITOR
A0741	1006	PSIG	S/G D STEAM PRESS CH #1	A0483	6.9	MPH	UPPER WIND SPEED
P0154	3.835	MLB/HR	S/G A FEEDWATER FLOW CH 1	A0485	4.6	MPH	LOWER WIND SPEED
P0156	3.615	MLB/HR	S/G B FEEDWATER FLOW CH 1	A0484	152.7	DEG	UPPER WIND DIRECTION
P0158	3.782	MLB/HR	S/G C FEEDWATER FLOW CH 1	A0489	158.6	DEG	LOWER WIND DIRECTION
P0160	3.431	MLB/HR	S/G D FEEDWATER FLOW CH 1	A1127	29.609	IN HG	BAROMETRIC PRESSURE
A0974	172	GPM	CA FLOW TO S/G A	A0490	-0.12	DEG C	AMBIENT AIR D/T ELEV 662 & ELEV 762
A0975	273	GPM	CA FLOW TO S/G B	A1172	9.6	DEG C	AMBIENT AIR TEMP AT ELEV 662
A0976	138	GPM	CA FLOW TO S/G C	A0496	8.8	DEG C	DEWPOINT
A0977	179	GPM	CA FLOW TO S/G D	P0595	0.00	IN	PRECIPITATION IN LAST 15 MIN
P0614	*	LBM	TOTAL M/S RELEASED DURING LAST 15	A1110	25.4	DEG	SIGMA THETA - LWR WIND DIRECTION STD DEV
				A1104	46069	CFM	UNIT VENT STACK FLOW
				P1483	50233	GPM	RL LINES A&B TOTAL AVG DISCHARGE FLOW

OTHER INFORMATION: .....

= LOCKED OUT X = OUT OF SERVICE $ = BLOWN FUSE * = BAD VALUE


Catawba

ERDS
Duke Power