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Received: from ALXAPEX23.southernco.com ([148.115.12.81]) by ALXAPEX03.southernco.com with
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Tue, 9 Mar 2004 11:06:22 -0600
X-MimeOLE: Produced By Microsoft Exchange V6.0.6488.0
content-class: urn:content-classes:message
Subject: Requested Documents
Date: Tue, 9 Mar 2004 11:06:22 -0600
Message-ID: <219ABCC93080B0448EF124E9B8A47A48017FB283@alxapex23.southernco.com>
X-MS-Has-Attach: yes
X-MS-TNEF-Correlator:
Thread-Topic: Requested Documents
Thread-Index: AcQF+NiREwHpdAuXQ2W/+yjiNIANG==
From: "Parker, David E." <DEPARKER@southernco.com>
To: "Caswell Smith" <CFS1@nrc.gov>, "Luker, Ira F." <IFLUKER@southernco.com>
Cc: "Baker, Ray D." <RDBAKER@southernco.com>,
"Snider, W. L." <WLSNIDER@southernco.com>
X-OriginalArrivalTime: 09 Mar 2004 17:06:22.0692 (UTC) FILETIME=[D92E1240:01C405F8]

As per our discussion earlier today, I am attaching A-27001 Appendix B and a revised Excel data file to include a listing of safe shutdown circuits in cable tray 2CGA802. Please let me know if you have any questions.

<<A-27001 Appendix B.PDF>> <<2104SSDINTRAYSBYTRAY.xls>>

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From: "Parker, David E." <DEPARKER@southernco.com>
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CFS1 (Caswell Smith)

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WLSNIDER CC (Snider, W. L.)
RDBAKER CC (Baker, Ray D.)
IFLUKER (Luker, Ira F.)

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Files	Size	Date & Time
MESSAGE	500	Tuesday, March 9, 2004 12:06 PM
A-27001 Appendix B.PDF	261791	
2104SSDINTRAYSBYTRAY.xls		126464
Mime.822	545305	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard



GEORGIA POWER COMPANY ATLANTA, GEORGIA
GENERAL ENGINEERING DEPARTMENT

APPENDIX B

Table Of System Codes

<u>SYSTEM DESCRIPTION</u>	<u>MPL CODE</u>	<u>SYSTEM CODE</u>	<u>SYSTEM STATUS</u>
Nuclear Steam Supply Shutoff System	A71B	AA* or PC	ESS and PCIS
Analog Transmitter Trip System	A70	AB*,RP or PC	ESS, RPS & PCIS
Nuclear Boiler Process Instrumentation System	B21A	BA	ESS
Steam Leak Detection System	B21B	BB	ESS
Auto Depressurization System	B21C	BC	ESS
Reactor Vessel Temp. Monitoring System	B21D	BD	Non ESS
Jet Pump Instrumentation System	B21E	BE	Non ESS
Rodworth Minimizer System	B21F	BF	Non ESS
Reactor Recirc. Pump & M-G Set 'A' System	B31A	BG	ESS
Reactor Recirc. Pump & M-G Set 'B' System	B31B	BH	ESS
Reactor Manual Control System	C11A	CA	Non ESS
Control Rod Drive Hydraulic Instrum.Sys	C11B	CB	Non ESS
Alternate Rod Insertion System	C11C	CP	Non ESS
Feedwater Control System	C32	CC	Non ESS
Standby Liquid Control System	C41	CD	Non ESS
Startup Range Neutron Mon. Sys.	C51A	CE* or RP	Non ESS & RPS
Power Range Neutron Mon. Sys.	C51B	CF* or RP	Non ESS & RPS
Startup Range Detector Drive Cont. System	C51C	CG	ESS
Traversing Incore Probe Calibration System	C51D	CH	Non ESS
Primary Cont. Isolation System	C61	CJ* or PC	ESS & PCIS
Remote Shutdown System	C82	CK	ESS
Reactor Protection M/G Set Control System	C71B	CL	Non ESS
Reactor Protection System	C71A	CH*,RP or RG	ESS, RPS & RPS
Nuclear Steam Supply Computer	C91	CN	Non ESS
Mini Computer Tie In	C91A	CR	Non ESS
Process Computer Replacement System	C95	CS	Non ESS
Process Radiation Mon. System	D11	DA* or RP	ESS and RPS
Area Radiation Mon. System	D21	DB	Non ESS
Residual Heat Removal System	E11	EA	ESS
Core Spray System	E21A	EB	ESS
Core Spray Jockey Pump System	E21B	EC	ESS
High Pressure Coolant Injection System	E41	ED	ESS
Reactor Core Isolation Cooling System	E51A	EE	ESS
RHR Service Water System	E11A	EF	ESS

NOTE: Systems that are called ESS do not necessarily contain only essential cables.
 * Circuits do not require 4/6 channel separation.

BECHTEL ASSOCIATES JOB 6511		EDWIN I. HATCH NUCLEAR PLANT - UNIT No. 2	
SOUTHERN SERVICES, INC.		ELECTRICAL SEPARATION CRITERIA AND RACEWAY AND CABLE NUMBERING SYSTEM	
DESIGN <i>DEM</i>	DATE 10-30-85	REVISION <i>B</i>	NUMBER
CHECKED <i>[Signature]</i>	SCALE NONE	<i>MLW/ER/CSF</i> 1/7/91	LOCATION
APPROVED <i>[Signature]</i>			DRAWING
			10-502 A-27001 Sh24

GEORGIA POWER COMPANY ATLANTA, GEORGIA
GENERAL ENGINEERING DEPARTMENT

<u>SYSTEM DESCRIPTION</u>	<u>MPL CODE</u>	<u>SYSTEM CODE</u>	<u>SYSTEM STATUS</u>
Main Steam Valve Lkge. Control System	E32	EG	ESS
Startrec System	F41	FA	Non ESS
Radwaste System	G11A	GA	Non ESS
Radwaste Filter System	G11B	GB	Non ESS
Radwaste Conveyor System	G11C	GC	Non ESS
Radwaste Bldg. Support System	G11D	GD	Non ESS
Reactor Water Cleanup System	G31A	GE	Non ESS
Reactor Water Cleanup Demin. System	G31B	GF	Non ESS
Fuel Pool Cooling System	G41A	GG	Non ESS
Fuel Pool Filter/Demin. System	G41B	GH	Non ESS
Radwaste Solidification System	G12	GJ	Non ESS
Heat Tracing for Piping System	G13	GK	Non ESS
Torus Drainage & Purification System	G51	GL	Non ESS
Nuclear Instrumentation Grounding System	R35	GR	Non ESS
Excess Flow Check Valves	L50	LA	Non ESS
Seismic Measurement Equipment System	L51	LB	Non ESS
Miscellaneous Hoists	L45	LC	Non ESS
Loose Parts Monitoring System	L52	LD	Non ESS
Main Steam System	N11	NA	Non ESS
Condensate & Feedwater System	N21	NB	Non ESS
Feedwater Heater Drain System	N22	NC	Non ESS
Electro Hydraulic Control Cabinet	N32	NE	Non ESS
Steam Seal System	N33	NF	Non ESS
Lube Oil System	N34	NG	Non ESS
Condensate Vacuum System	N22A	NI	Non ESS
Reheat System	N38	NK	Non ESS
Turning Gear System	N39	NL	Non ESS
Generator System	N41	NM	Non ESS
Generator Hydrogen Seal Oil System	N42	NN	Non ESS
Isolated Phase Buses	N44	NP	Non ESS
Gland Seal System	N33A	NQ	Non ESS
Main Condenser System	N61	NR	Non ESS
Off Gas System	N62A	NS	Non ESS
Waste Gas Treatment Bldg. Support System	N62C	NT	Non ESS
Off Gas Support System	N62B	NU	Non ESS
Waste Gas Treatment Vent System	N62D	NV	Non ESS
Circulation Water & Cond. Equip. & Aux. System	N71	NW	Non ESS
Extraction Steam System	N36	NX	Non ESS
Generator Auxiliary-Equip. System	N43	NY	Non ESS
Alterrex Excitation	N51	NZ	Non ESS
Reactor & Radwaste Build. Condensate Storage & Transfer System	P11	PA	Non ESS

BECHTEL ASSOCIATES JOB 6511		EDWIN I. HATCH NUCLEAR PLANT - UNIT No. 2	
SOUTHERN SERVICES, INC.		ELECTRICAL SEPARATION CRITERIA AND RACEWAY AND CABLE NUMBERING SYSTEM	
NO. <u>0321</u>	DATE <u>10-30-85</u>	REVISIONS <u>7</u>	NUMBER
CHECKED <u>[Signature]</u>	SCALE <u>NONE</u>		LOCATION <u>10-502</u>
APPROVED <u>[Signature]</u>			DRAWING <u>A-27001 Sh25</u>

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GEORGIA POWER COMPANY ATLANTA, GEORGIA

GENERAL ENGINEERING DEPARTMENT

SYSTEM DESCRIPTION	MPL CODE	SYSTEM CODE	SYSTEM STATUS
Process Sampling System	P33A	PB	Non ESS
H ₂ O ₂ Analyzer System	P33B	PD	ESS
React. Bldg. Service Water System	P41A	PE	ESS
React. Bldg. Closed Cooling Water System	P42	PF	ESS
Plant Heating System	P44	PG	ESS
Plant Service Air System	P51	PH	Non ESS
Plant Inst. Air System	P52	PJ	Non ESS
Heating & Process Steam System	P61	PK	Non ESS
Turbine Bldg. Chilled Water System	P63	PL	Non ESS
Drywell Pneumatic System	P70	PM	ESS
Reactor Bldg. Chilled Water System	P64	PP	ESS
Reactor & Radwaste Chilled Water System	P65	PR	Non ESS
Reactor & Radwaste Bldg. Service Air System	P51A	PS	Non ESS
Reactor & Radwaste Bldgs. Inst. Air System	P52A	PT	ESS
Plant Service Water System	P41	PU	ESS and Diesel 18
Deminerlized Water System	P21	PV	Non ESS
Turbine Water Analysis System	P33C	PW	Non ESS
Post Accident Sampling System	P33D	PX	ESS
Control Bldg. Chilled Water System	P67	PY	Non ESS
HYDROGEN WATER CHEMISTRY SYSTEM	P79	PY	NON ESS
Zinc Injection Passivation System	P86	PZ	Non ESS
125 V Cooling Tower Batteries	R42C	RA	Non ESS
Normal Station Service 4 KV System	R20B	RC	Non ESS & DSL 18
Normal Station Service 600 V System	R20C	RD	Non ESS
Normal Station Service 120/208 V System	R20D	RE	Non ESS
Plant Lighting 480/277 V Supply System	R20E	RF	Non ESS
Emergency Station Service Transf. (2C & 2D)	R20K	RG	Non ESS
Emergency Station Service 4 KV System	R20L	RH	ESS and Diesel 18
Emergency Station Service 600 V	R20M	RI	ESS and Diesel 18
125 V Diesel Generator Batteries	R42B	RJ	ESS
120/208 V Essential Emergency Station Service	R20M	RK	ESS
120/240 V Vital AC System	R20P	RL	Non ESS
125/250 V Station Battery	R42A	RM	ESS
24/48 V Instrumentation Battery System	R42E	RR	Non ESS
Diesel Generator 2A	R43A	RS	ESS
Diesel Generator 1B	R43B	RT	Dsl. Gen. 18
Diesel Generator 2C	R43C	RU	ESS
Public Address System Radwaste Bldg.	R51A	RY	Non ESS



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DGN-A2700126.DGN
INTERGRAPH VEP-01


BECHTEL ASSOCIATES JOB 6511		EDWIN I. HATCH NUCLEAR PLANT - UNIT No. 2	
SOUTHERN SERVICES, INC		ELECTRICAL SEPARATION CRITERIA AND RACEWAY AND CABLE NUMBERING SYSTEM	
NO. <i>0121</i>	DATE <i>10-30-88</i>	REV. <i>10</i>	ISSUED
DESIGNED <i>[Signature]</i>	SCALE <i>NONE</i>	VEP/TH/GE/BB/E	LOCATION
APPROVED <i>[Signature]</i>		<i>7-1-88</i>	DRAWING
			<i>10-802 A-7001 SH26</i>

GEORGIA POWER COMPANY ATLANTA, GEORGIA
GENERAL ENGINEERING DEPARTMENT

<u>SYSTEM DESCRIPTION</u>	<u>MPL CODE</u>	<u>SYSTEM CODE</u>	<u>SYSTEM STATUS</u>
Public Address System Reactor Bldg.	R51B	RW	Non ESS
250 V DC Inverter System	R44	RX	ESS
Public Address System Control & Turbine Building	R51D	RY	Non ESS
Public Address Systems for Other Buildings	R51F	RZ	Non ESS
Main Auxiliary Service & Start-up Transformer	S11	SA	Non ESS
Generator & Main Transformer Protective Relaying & Metering	S32	SD	Non ESS
Auxiliary Transformers 2A & 2B Metering and Relaying System	S32A	SE	Non ESS
Auxiliaries (Welding Outlets & Misc. Equipment)	S30	SF	Non ESS
500 & 230 KV Switchyard Interlock System	S40	SG	Non ESS
Annunciator Arrangements & Designation System	S15	SH	Annunciation
Spare Cables	SPAR	SP	Spare
Safeguard Equipment Cooling System	T41B	TB	ESS
Reactor Bldg. Ventilation System	T41C	TC	ESS
Leak Detection System	T45	TD	Non ESS
Standby Gas Treatment System	T46	TE	ESS
Drywell Cooling System	T47	TF	ESS
Containment Atmos. Dilution System	T48A	TG	ESS
Primary Cont. Purge and Inerting System	T48B	TH	ESS
Nitrogen Inerting & Make-up System	T48C	TJ	Non ESS
Reactor Building Fire Protection System	T43	TL	Non ESS
Integrated Leak Rate Test System	T23	TM	Non ESS
Post-LOCA Hydrogen Recombiner System	T49	TN	ESS
Drywell to Torus Diff. Pressure System	T48D	TP	ESS
Torus Temperature Monitoring System	T48E	TR	ESS
Turbine Bldg. Ventilation System	U41	UB	Non ESS
Turbine Bldg. Fire Protection System	U43	UC	Non ESS
Turbine Bldg. Leak Detection System	U61	UD* or PC	Non ESS & PCIS
Radwaste Bldg. Vent System	V41	VA	Non ESS
Radwaste Bldg. Fire Protection System	V43	VB	Non ESS
Chlorination System	W23	WA	Non ESS
Cooling Towers No. 4, 5 & 6	W24	WB	Non ESS
Screen Wash System	W32	WC	Non ESS
Circ. Water Screens & Trash	W33	WD	Non ESS
Circ. Water Structure Fire Protection System	W43	WF	Non ESS
Diesel Generators 2A, 1B & 2C and Cooling Towers Heating & Vent System	X41A	XA	ESS and Ds1. 1B

BECHTEL ASSOCIATES JOB 6511		EDWIN I. HATCH NUCLEAR PLANT - UNIT No. 2	
SOUTHERN SERVICES, INC.		ELECTRICAL SEPARATION CRITERIA AND RACEWAY AND CABLE NUMBERING SYSTEM	
BOOK <u>037</u>	DR <u>-</u>	DATE <u>10-30-85</u>	REVISIONS <u>7</u>
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GEORGIA POWER COMPANY ATLANTA, GEORGIA
GENERAL ENGINEERING DEPARTMENT

<u>SYSTEM DESCRIPTION</u>	<u>MPL CODE</u>	<u>SYSTEM CODE</u>	<u>SYSTEM STATUS</u>
Hot Machine Shop HVAC Equipment System	X41G	XC	Non ESS
Hot Machine Shop Fire Protection System	X43G	XD	Non ESS
Hot Machine Shop Sump Pumps	X45G	XE	Non ESS
Diesel Build. Fire Protection System	X43B 	XF	Non ESS
Intake Structure Sump Pump System	X45	XG	Non ESS
Fire Prot. Valve Houses Heating System	X41H	XH	Non ESS
Service Bldg. Annex Fire Prot. System	X43L	XL	Non ESS
High/Low Voltage Switchyard Fire Protection System	X43E	XM	Non ESS
TSC HVAC System	X75B	XP	Non ESS
TSC 600/480 V Power Supply	R20U	XR	Non ESS
TSC 480/208/120 V Power Supply	R20V	XS	Non ESS
TSC Uninterruptable Power Supply	R20W	XT	Non ESS
ERF Digital System	X75A	XU	ESS
SPDS Analog System	X75C	XV	Non ESS
ERF, TSC, SPDS & EOF Computer Power System	X75F	XZ	Non ESS
Oil, Chemical, Etc. Transfer & Storage	Y34A	YA	Non ESS
Tornado Roof Vents	Y34B	YB	Non ESS
Cooling Tower Fire Prot. System	Y43	YC	Non ESS
Deep Well Pump System	Y42	YD	Non ESS
Controlled Access System	Y34	YE	Non ESS
Controlled Access System	Y43A	YF	Non ESS
Metrological Data Collection System	Y33	YG	Non ESS
Controlled Access System	R43D	YH	Non ESS
Controlled Access System	R20R	YI	Non ESS
Controlled Access System	R20S	YJ	Non ESS
Controlled Access System	R20T	YK	Non ESS
Controlled Access System	Y34	YM	Non ESS
Controlled Access System	X41J	YN	Non ESS
Controlled Access System	Y34	YP	Non ESS
Controlled Access System	Y34	YT	Non ESS
Controlled Access System	Y34	YX	Non ESS
Control Bldg. Ventilation System	Z41	ZA	ESS
Control Bldg. Fire Prot. System	Z43	ZG	Non ESS
Control Bldg. Equip. Floor Drains	Z45	ZH	Non ESS

BECHTEL ASSOCIATES JOB 6511		EDWIN I. HATCH NUCLEAR PLANT - UNIT No. 2	
SOUTHERN SERVICES, INC.		ELECTRICAL SEPARATION AND RACEWAY AND CABLE NUMBERING SYSTEM	
DESN <i>JWB</i>	DR —	DATE 9-23-88	REVISIONS 8
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same was made in the normal