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File Number: G9.15, G9.17

Mr. Thomas M. Novak
Assistant Director of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Novak:

South Texas Project
Units 1 & 2
Docket Nos. STN 50-498, STN 50-499
Transmittal of Electrical and
Instrumentation and Control Drawings

Transmitted herewith are three (3) copies of those nonproprietary electrical and instrumentation and control (I&C) drawings as required by Section 1.7 of Regulatory Guide 1.70 and NRC Question 032.01. Included is a list of the drawings which identify the drawing number, title and revision number.

Regulatory Guide 1.70 also requires the submittal of all proprietary electrical and I&C drawings which are necessary to support the staff review of the FSAR. These drawings are not included with this transmittal. Per an agreement between Mr. R. A. Wiesemann (Westinghouse Manager, Regulatory & Legislative Affairs) and Mr. E. A. Shomaker (USNRC - Office of the Executive Legal Director), the Westinghouse proprietary drawings are being made available for staff review at the Westinghouse Bethesda Licensing Operations office.

If you should have any questions concerning this matter, please contact Mr. Michael E. Powell at (713) 993-1328.

Very truly yours,

J. T. Wiesemann for
H. Goldberg

Vice President
Nuclear Engineering and Construction

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MEP/syt

- Attachments: (1) Listing of Electrical/Drawings
(2) Listing of I&C Drawings
(3) Copies of Electrical/I&C Drawings Listed

W1/LNRC/cc

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1/2 Sets
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WRR/OSI/ICSB - 1 set
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cc: (Attachment 1 & 2 only except as indicated by [*]).

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South Texas Project
 Units 1 & 2
 Docket Nos. STN 50.498, STN 50.499
 Nonproprietary Drawings
 Incorporated by Reference -
Electrical Drawings

Drawing No.	Rev. No.	Title
0-E-AAAA-01	1	Main One Line Diagram Unit No. 1 & 2
9-E-AF01-01	0	Elem Diag Aux Feedwater Pump No. 11, 12, 13
9-E-PFBD-01	2	Single Line Diagram 480V Motor Control Center 1A5, 1B5, and 1C5
9-E-AAAB-01	2	Single Line Diagram Class 1E 125V DC & 120V Vital ac Non-Class IE 48V, 125V, 250V DC & 120V Vital AC Non-Class IE Invertor Power for Computer 120V AC Regulated Power
9-E-DJAA-01	3	Single Line Diagram 125V DC Class 1E Power Dist Swbd E1A11
9-E-DJAB-01	3	Single Line Diagram 125V DC Class 1E Power Dist Swbd E1D11
9-E-DJAC-01	3	Single Line Diagram 125V DC Class 1E Power Dist Swbd E1B11
9-E-DJAD-01	3	Single Line Diagram 125V DC Class 1E Power Dist Swbd E1C11
9-E-EW01-01	0	Elem Diag Essential Cooling Water Pump, PA101A, B, C
9-E-EW02-01	1	Elem Diag ECW Screen Wash Pump 1A, 1B, 1C
9-E-HC11-01	2	Elem Diag RC Bldg HVAC RCFC 11A, 11B, 11C
9-E-HC12-01	1	Elem Diag RC Bldg HVAC RCFC 12A, 12B, 12C
9-E-HC14-01	0	Elem Diag Ctmt Pen Space Exh Fan 11A, 11B
9-E-HE14-01	1	Elem Diag Diag Elect Aux Bldg Control Room Make-up Air Fan 11A, 11B, 11C
9-E-HF05-01	2	Elem Diag Fuel Handling Building Main Exhaust Fan 11A, 11B, 11C

Drawing No.	Rev. No.	Title
9-E-PK01-01	1	Elem Diag. Class-1E Bus E1A 4.16 KV Supply Bkr
9-E-PKAA-01	2	Single Line Diagram 4.16 KV Switchgear E1A Unit No. 1
9-E-PKAB-01	1	Single Line Diagram 4.16 KV Switchgear E1B Unit No. 1
9-E-PKAC-01	1	Single Line Diagram 4.16 KV Switchgear E1C Unit No. 1
9-E-PLAA-01	2	Single Line Diagram 480V Load Center E1A Unit No. 1
9-E-PLAB-01	2	Single Line Diagram 480V Load Center E1B Unit No. 1
9-E-PLAC-01	2	Single Line Diagram 480V Load Center E1C Unit No. 1
9-E-RH05-01	0	Elem Diag Residual Heat Removal Pump 1A
9-E-SD01-01	2	Elementary Diag Stdbdy Diesel Gen. 11, 12, 13 Air Compressor #1
9-E-SD02-01	1	Elementary Diag Stdbdy Diesel Gen. 11, 12, 13 Air Compressor #2
9-E-SI05-01	1	Elem Diag HHSI Pump PA101A, B, & C
9-E-SI06-01	1	Elem Diag Low Head SI Pump PA102 A, B, & C
9-E-SI14-01	0	Elem Diag Accumulator 1A, 1B, 1C Discharge Isol. MOV 0039A, B & C
9-E-PMAA-01/02	2	Single Line Diagram 480V MCC E1A1 Unit No. 1
9-E-PMAB-01	3	Single Line Diagram 480V MCC EJA2 Unit No. 1
9-E-PMAC-01	2	Single Line Diagram 480V MCC E1A3 ECW Intake Structure Unit 2

Drawing No.	Rev. No.	Title
9-E-PMAD-01/02	2	Single Line Diagram 480V MCC E1B1 Unit No. 1
9-E-PMAE-01	3	Single Line Diagram 480V MCC E1B2 Unit No. 1
9-E-PMAF-01	2	Single Line Diagram 480V MCC E1B3 Intake Structure Unit 1
9-E-PMAG-01/02	2	Single Line Diagram 480V MCC E1C1 Unit No. 1
9-E-PMAH-01	3	Single Line Diagram 480V MCC E1C2 Unit No. 1
9-E-PMAJ-01	2	Single Line Diagram 480V, MCC, E1C3, ECW, Intake Structure Unit 1

South Texas Project
Units 1 & 2
Docket Nos. STN 50.498, STN 50.499
Nonproprietary Drawings
Incorporated by Reference -
I&C Drawings

Drawing No.	Rev. No.	Title
5R-27-9-Z-40070	3	Reactor Makeup Water Pump No. 1A & 1B Logic Diagram
5S-10-9-Z-40076	3	Main Steam Isolation Valves Logic Diagram
5S-10-9-Z-40077	2	Steam Dump Valves Control Logic Diagram
5S-10-9-Z-40079	1	Main Steam PORV Logic Diagram
5S-13-9-Z-40112	2	Feedwater Control Valve Logic Diagram
5S-13-9-Z-40116	2	Main Feedwater Isolation Valve Logic Diagram
5S-14-9-Z-40131	2	Motor Driven Aux. Feedwater Pump Logic Diagram
5S-14-9-Z-40132	2	AFW Turbine Steam Inlet Valve
5S-14-9-Z-40135	1	AFW Pump No. 14 Turbine Trip & Throttle Valve Logic Diagram
6T-08-9-Z-40243	2	Turbine Trip Control Logic Diagram
4Z-01-9-Z-40402	1	Reference Logic Diagram - Switchgear Breaker Control 4.16 kV ESF Service
4Z-01-9-Z-40403	1	Reference Logic Diagram - Switchgear Breaker Control 480V Service
5Z-01-9-Z-40418	1	Standard Logic Symbols
5Z-01-9-Z-40419	1	Standard Logic Symbols
5Z-01-9-Z-40420	0	Standard Logic Symbols
5Z-01-9-Z-40421	1	Standard Logic Symbols

Drawing No.	Rev. No.	Title
5Z-16-9-Z-41500	2	Containment Hydrogen Monitoring Train A Sample. Select Valves Logic Diagram
5Z-16-9-Z-41512	3	Containment Hydrogen Monitoring System Logic Diagram
5V-10-9-Z-41553	3	Mech. Aux. Building HVAC Pumps and Cubicle Cooler Fans Logic Diagram
5V-11-9-Z-41571	2	Control Room HVAC Make-up Air Fans Logic Diagram
5V-11-9-Z-41574	3	Control Room Return Air Fans Logic Diagram
5Z-11-9-Z-41575	2	Control Room HVAC Clean-Up Air Fans Logic Diagram
5V-11-9-Z-41587	3	Control Room Make-up Air Filters Inlet Damper Logic Diagram
5V-11-9-Z-41594	2	Control Room Supply Air Handling Fans Logic Diagram
5V-11-9-Z-41595	3	Control Room Clean-up Unit Filter Return Air Damper Logic Diagram
5V-11-9-Z-41596	2	Control Room HVAC Smoke Purge Logic Diagram
5V-11-9-Z-41597	3	Control Room Envelope HVAC Isolation Damper Logic Diagram
5V-11-9-Z-41598	3	Control Room Envelope HVAC Return Air Dampers Logic Diagram
5V-14-9-Z-41630	3	Reactor Containment Building HVAC RCFC Logic Diagrams
5V-14-9-Z-41648	2	RCB HVAC Normal Containment Purge Containment Isolation Valves Logic Diagram
5V-14-9-Z-41657	3	Reactor Containment Building HVAC Containment Cubicles Exhaust Fans Logic Diagram

Drawing No.	Rev. No.	Title
5V-11-9-Z-41702	2	Control Room Envelope HVAC Fire Protection Damper Logic Diagram
5Z-14-9-Z-41901	2	Control Room/EAB Radiation Monitoring System Logic Diagram
5Z-14-9-Z-42124	3	EAB/Control Room Emergency Operation Logic Diagram
5Z-14-9-Z-42125	2	FHB Exhaust System Emergency Operation Logic Diagram
5Z-14-9-Z-41905	1	RCB High Range Area Radiation Monitoring System Logic Diagram
5Z-14-9-Z-41906	2	RCB Purge Isolation Radiation Monitoring System Logic Diagram
5Z-14-9-Z-41911	2	Containment Isolation Valves Logic Diagram
5N-12-9-Z-42000	3	HHSI and LHSI Pumps Logic Diagram
5N-12-9-Z-42001	2	Containment Sump Isolation Valves Logic Diagram
5N-12-9-Z-42004	2	SI RWST Outlet Valves Logic Diagram
7N-12-9-Z-42013	3	SI/RHR Alarm Logic Train A Logic Diagram
7N-12-9-Z-42016	4	SI Bypass Status Inoperative Train A Logic Diagram
5R-20-9-Z-42040	2	Component Cooling Water Logic Diagram
5R-20-9-Z-42061	2	CCW ECW Standby Train Start Logic Diagram
5R-28-9-Z-42077	3	Essential Cooling Water Pumps Logic Diagram
5R-28-9-Z-42079	3	ECW Traveling Water Screens Logic Diagram

Drawing No.	Rev. No.	Title
5R-28-9-Z-4208U	2	ECW Self Cleaning Strainer Logic Diagram
5Z-10-9-Z-42110	3	Instrumentation - Reactor Trip Breaker Logic Diagram
5Z-10-9-Z-42111	3	Instrumentation - Reactor Trip Signals Logic Diagram
5Z-10-9-Z-42112	3	Instrumentation - SSPS Logic Train R&S Logic Diagram
5Z-10-9-Z-42113	3	Instrumentation - Actuation Trains A, B & C Logic Diagram
5Z-10-9-Z-42114	4	Instrumentation - Actuation Trains A, B & C Logic Diagram
5Z-10-9-Z-42115	3	Instrumentation - Actuation Trains A, B & C Logic Diagram
5Z-10-9-Z-42116	1	Instrumentation - Feedwater Isolation, Turbine Trip Actuation Trains A & B Logic Diagram
5Z-10-9-Z-42117	3	Instrumentation - Sequenced Actuation Train A Logic Diagram
5Z-10-9-Z-42118	2	Instrumentation - Sequenced Actuation Train B Logic Diagram
5Z-10-9-Z-42119	2	Instrumentation - Sequenced Actuation Train C Logic Diagram
5Z-10-9-Z-42121	4	Instrumentation - Standby Diesel Generator 4.16 kV Feeder Breaker Logic Diagram
5Z-10-9-Z-42122	4	Instrumentation - ESF BUS 4.16 kV Supply Breaker Logic Diagram
5N-10-9-Z-42130	4	Containment Spray Pumps Logic Diagram
5R-21-9-Z-42140	3	Spent Fuel Pool Cooling Pump Logic Diagram

Drawing No.	Rev. No.	Title
5R-14-9-Z-42150	3	Reactor Coolant Pumps Logic Diagram
5R-14-9-Z-42151	4	Reactor Coolant Pressurizer Heater Backup Group 1A & 1B Logic Diagram
5R-14-9-Z-42155	4	Reactor Coolant Pressurizer Relief Isolation Valves Logic Diagram
5R-14-9-Z-42160	4	Reactor Coolant Pressurizer Relief Isolation Valves Logic Diagram
5R-17-9-Z-42400	3	Centrifugal Charging Pumps Logic Diagram
5R-17-9-Z-42401	2	Boric Acid Transfer Pumps Logic Diagram
5R-17-9-Z-42404	2	Positive Displacement Charging Pump Logic Diagram
5Q-15-9-Z-42100	4	Instrumentation - Standby Diesel Generators Logic Diagram
5R-20-9-Z-42043	2	CCW RCFC Motor Operated Valves Logic Diagram