



Serial: RNP-RA/02-0090

**JUN 14 2002**

United States Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-261 / LICENSE NO. DPR-23

SYSTEM DRAWINGS SUPPORTING  
THE APPLICATION FOR RENEWAL OF OPERATING LICENSE

Ladies and Gentlemen:

Carolina Power & Light (CP&L) Company has submitted an application in accordance with 10 CFR 54 for renewal of the Operating License for the H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2. During preparation of the application, system drawings were prepared that show the portions of mechanical systems within scope of license renewal. These drawings were developed using existing system flow diagrams. The drawings have been highlighted to show the system boundaries associated with fulfilling one or more system intended functions as discussed in 10 CFR 54.4(b). These drawings are not part of the official application for license renewal; however, CP&L is making them available to the NRC staff as additional information to support a more efficient review.

An index of drawings and eight copies of the system drawings are being provided. In addition, files containing the system drawings have been included on the CD-ROM copies of the License Renewal Application, submitted separately, as an aid to the reviewers of the application.

If you have any questions concerning this matter, please contact Mr. Talmage Clements.

Sincerely,

B. L. Fletcher III  
Manager – Regulatory Affairs

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Attachments:

- I. License Renewal Boundary Drawings (8 copies)
  - II. Index of License Renewal Boundary Drawings
- c: Mr. Max K. Batavia, Chief, Bureau of Radiological Health (SC) (w/o Attachments)  
Mr. L. A. Reyes, NRC, Region II (w/o Attachments)  
Mr. R. Subbaratnam, NRC (w/o Attachments)  
NRC Resident Inspectors, HBRSEP (w/o Attachments)  
Attorney General (SC) (w/o Attachments)

United States Nuclear Regulatory Commission  
Attachment I to Serial: RNP-RA/02-0090  
504 Pages

**License Renewal Boundary Drawings**

**THE FOLLOWING IS A  
LISTING OF OVERSIZED  
DRAWINGS CONTAINED  
WITHIN THIS DOCUMENT.**

**TO VIEW A DRAWING,  
REFERENCE THE DRAWING  
NUMBER SPECIFIC TO THE  
DESIRED DRAWING (NOTED  
ON THE LIST) AND LOCATE  
IT WITHIN THIS PACKAGE  
OR,  
PERFORM A SEARCH USING  
THE DRAWING NUMBER**

**NOTE: Because of these page's large file size, it may be more convenient to copy the file to a local drive and use the Imaging (Wang) viewer, which can be accessed from the Programs/Accessories menu.**

**Index of License Renewal Boundary Drawings**

<b>Drawing Number</b>	<b>Title</b>
HBR2-7063, Sheet 1	Flow Diagram Legend
HBR2-7063, Sheet 2	Flow Diagram Legend
G-190196LR Sheet 1	Main & Extraction Steam Systems
G-190197LR Sheet 1	Feedwater, Condensate & Air Evacuation Systems
G-190197LR Sheet 3	Feedwater, Condensate & Air Evacuation Systems
G-190197LR Sheet 4	Feedwater, Condensate & Air Evacuation Systems
G-190199LR Sheet 1	Service & Cooling Water System
G-190199LR Sheet 2	Service & Cooling Water System
G-190199LR Sheet 3	Service & Cooling Water System
G-190199LR Sheet 4	Service & Cooling Water System
G-190199LR Sheet 5	Service & Cooling Water System
G-190199LR Sheet 6	Service & Cooling Water System
G-190199LR Sheet 7	Service & Cooling Water System
G-190199LR Sheet 8	Service & Cooling Water System
G-190199LR Sheet 9	Service & Cooling Water System
G-190199LR Sheet 10	Service & Cooling Water System
G-190200LR Sheet 2	Instrument & Station Air System
G-190200LR Sheet 3	Instrument & Station Air System
G-190200LR Sheet 5	Instrument & Station Air System
G-190200LR Sheet 9	Instrument & Station Air System
G-190202LR Sheet 3	Primary & Make-up Water System
G-190204ALR Sheet 1	Emergency Diesel Generator System
G-190204ALR Sheet 2	Emergency Diesel Generator System
G-190204ALR Sheet 3	Emergency Diesel Generator System
G-190204CLR Sheet 1	Chemical Feed System
G-190204DLR Sheet 1	Fuel Oil System
G-190204DLR Sheet 2	Fuel Oil System
G-190204DLR Sheet 3	Fuel Oil System
G-190234LR Sheet 1	Steam Generator Blowdown & Wet Layup System
G-190261LR Sheet 1	Penetration Pressurization System
G-190261LR Sheet 2	Penetration Pressurization System
G-190261LR Sheet 3	Penetration Pressurization System
G-190261LR Sheet 4	Penetration Pressurization System

**Index of License Renewal Boundary Drawings (continued)**

G-190262LR Sheet 1	Isolation Valve Seal Water System
G-190304LR Sheet 1	HVAC-Turbine, Fuel, Auxiliary, Reactor & Radwaste Building Systems
G-190304LR Sheet 2	HVAC-Turbine, Fuel, Auxiliary, Reactor & Radwaste Building Systems
G-190304LR Sheet 3	HVAC-Turbine, Fuel, Auxiliary, Reactor & Radwaste Building Systems
G-190304LR Sheet 4	HVAC-Turbine, Fuel, Auxiliary, Reactor & Radwaste Building Systems
5379-353LR Sheet 1	Primary Sampling System
5379-376LR Sheet 1	Component Cooling Water System
5379-376LR Sheet 2	Component Cooling Water System
5379-376LR Sheet 3	Component Cooling Water System
5379-376LR Sheet 4	Component Cooling Water System
5379-685LR Sheet 1	Chemical & Volume Control System Purification & Makeup
5379-685LR Sheet 2	Chemical & Volume Control System Purification & Makeup
5379-920LR Sheet 3	Liquid Waste Disposal System
5379-1082LR Sheet 1	Safety Injection System
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5379-1082LR Sheet 4	Safety Injection System
5379-1082LR Sheet 5	Safety Injection System
5379-1484LR Sheet 1	Residual Heat Removal System
5379-1485LR Sheet 1	Spent Fuel Pit Cooling System
5379-1971LR Sheet 1	Reactor Coolant System
5379-1971LR Sheet 2	Reactor Coolant System
HBR2-6490LR Sheet 1	Containment Vapor & Pressure Sampling System
HBR2-6933LR Sheet 1	Post Accident Containment Venting & H2 Recombiner System
HBR2-8261LR Sheet 1	Post Accident Sampling Station System
HBR2-8606LR Sheet 2	Nitrogen Supply System
HBR2-8679LR Sheet 1	(Dedicated Shutdown) Emergency Diesel Generator System
HBR2-8679LR Sheet 2	(Dedicated Shutdown) Emergency Diesel Generator System
HBR2-9006LR Sheet 2	Secondary Sampling System
HBR2-9067LR Sheet 1	Reactor Vessel Level Indicator Switches System