



**North
Atlantic**

North Atlantic Energy Service Corporation
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The Northeast Utilities System

June 30, 1997

Docket No. 55-443
NYN-97071

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Seabrook Station
Cycle 6 Information for Bulletin 96-01

North Atlantic Energy Service Corporation (North Atlantic) responded to NRC Bulletin 96-01¹, "Control Rod Insertion Problems" on April 8, 1996². North Atlantic committed in its response to NRC Bulletin 96-01 to submit, upon completion, Cycle 6 core design information identifying the reactor core locations containing control rods and the fuel assembly burnup at the rodded locations. The design of the Cycle 6 core has been completed and the committed core design information is enclosed. Cycle 6 operation of Seabrook Station commenced on June 28, 1997 with the resumption of generation following the fifth refueling outage.

Should you have any questions regarding this letter please contact Mr. Terry L. Harpster, Director of Licensing Services, at (603) 773-7765.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.

Ted C. Feigenbaum
Executive Vice President and
Chief Nuclear Officer

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¹ NRC Bulletin 96-01, "Control Rod Insertion Problems" dated March 8, 1996

² Northeast Utilities Letter, "Haddam Neck Plant, Millstone Nuclear Power Station, Unit No. 3, Seabrook Station, Response to Bulletin 96-01" dated April 8, 1996

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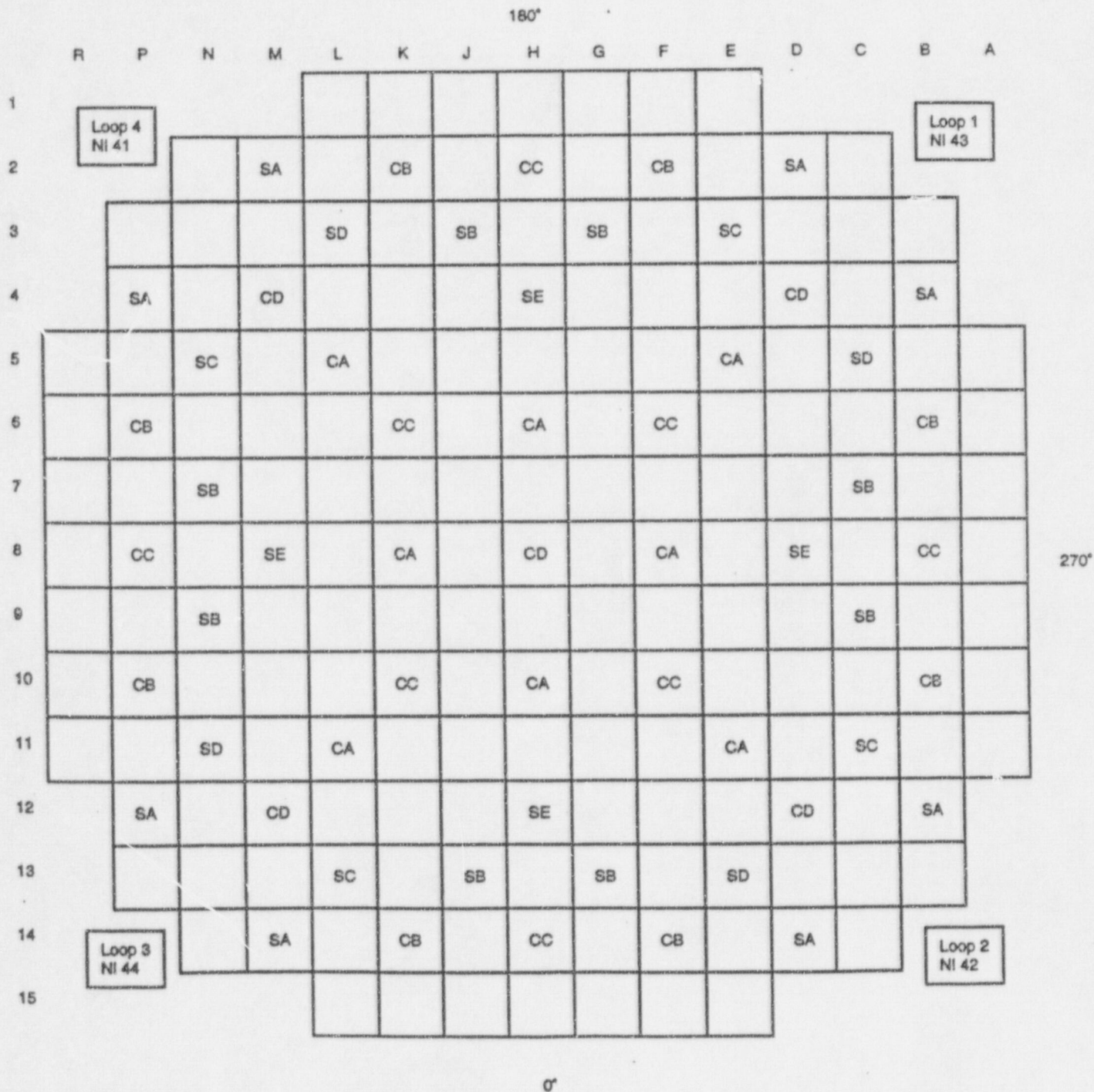


cc: H. J. Miller, Region I Administrator
A. W. De Agazio, Sr. Project Manager, Seabrook Station
W. T. Olsen, Sr. Resident NRC Inspector

ENCLOSURE 1 TO NYN-97071

Figure 2-2

Control Rod Positions



Seabrook Station Cycle 6 Rodded Fuel Assemblies

H	G	F	E	D	C	B	A	
Region A CD 30,482		Region A CA 29,208		Region G SE 49,635		Region G CC 46,859		8
					Region G SB 48,910			9
Region A CA 29,208		Region G CC 50,368				Region H CB 26,790		10
			Region G CA 44,663		Region H SC 29,418			11
Region G SE 49,635				Region A CD 28,200		Region G SA 39,120		12
	Region G SB 48,859		Region H SD 29,437					13
Region G CC 46,859		Region H CB 26,674		Region G SA 39,145				14
				Fuel Batch Type Control Rod Bank EOC6 Assembly Exposure				15

EOC6 Core Average Exposure is 22,250 Mwd/Mtu

NOTE: The other three quadrants are symmetrical to the depicted quadrant.