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April 10, 1992  
C321-92-2117

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555

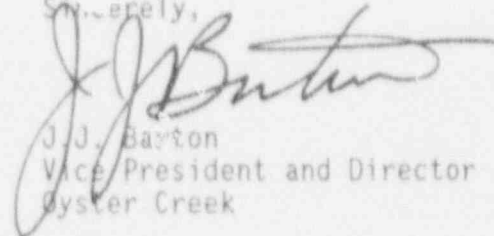
Gentlemen:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
Special Report No. 92-01

Enclosed is Special Report No. 92-01 which is submitted in accordance with technical specification 3.12.G.3.

If there are any questions, please call Mr. Michael Heller, Licensing Engineer, at (609) 971-4680.

Sincerely,



J.J. Barton  
Vice President and Director  
Oyster Creek

Enclosure

cc: NRC Region 1 Administrator  
NRC Resident Inspector  
Oyster Creek NRC Project Manager

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## Special Report 92-01

Report Date: April 10, 1992

Occurrence Date: February 27, 1992

### Identification of Occurrence:

The carbon dioxide (CO<sub>2</sub>) fire suppression system for the 4160 volt switchgear was inoperable for greater than 14 days which requires a special report per technical specification 3.12.G.3.

### Description of Occurrence:

On February 26, 1992, a CO<sub>2</sub> system valve stem leaking CO<sub>2</sub> was being repaired. Removal of insulation necessary to repair the leakage revealed corroded pipe and fittings which indicated the potential for failure of these components. On February 27, 1992, it was decided to exhaust the CO<sub>2</sub> from the tank and make repairs. The system was declared inoperable and a continuous firewatch with backup fire suppression equipment was established in accordance with technical specification 3.12.G.2.

### Corrective Action:

A thorough examination of the CO<sub>2</sub> system was conducted. The corrosion is attributed to moisture intrusion into the piping insulation and possibly electro-galvanic reaction. The piping insulation, which was not an NFPA or vendor requirement for the original installation, was not and will not be reinstalled to avoid future corrosion problems. Corroded components including the CO<sub>2</sub> tank were replaced and the system was declared operable on March 27, 1992 after successful completion of a system functional test.