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SUBJECT: Provides rept that details outage of plant AMSAC & diverse scram sys.

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**DUKE POWER**

April 10, 1995

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

Subject: Oconee Nuclear Site  
Docket Nos. 50-269, -270, -287  
Oconee AMSAC/DSS Outage

In accordance with Selected Licensee Commitment (SLC) 16.7.2, please find attached a copy of a report which details the outage of the Oconee Unit 3 ATWS Mitigation System Actuation Circuitry (AMSAC) and Diverse Scram System (DSS). SLC 16.7.2 requires that a report be sent to the NRC if one or both channels of the AMSAC and DSS systems are inoperable for greater than 7 days. This report will provide the cause for the outage and the actions taken to restore the system to an operable status.

Very truly yours,

J. W. Hampton, Vice President  
Oconee Nuclear Station

cc: Mr. S. D. Ebner, Regional Administrator  
U. S. Nuclear Regulatory Commission, Region II

Mr. L. A. Wiens, Project Manager  
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SLC 16.7.2  
**Report to NRC - Draft**

At 11:43 PM on February 27, 1995, the Channel 1 Uninterruptible Power Supply (UPS) to the Oconee Unit 3 ATWS Mitigation System Actuation Circuitry (AMSAC) and Diverse Scram System (DSS) failed. The UPS failed to a condition where it could only supply approximately 20% capacity for 2-3 minutes. Following the UPS failure, Oconee Selected Licensee Commitment 16.7.2 was entered due to one or both channels of AMSAC or DSS being inoperable.

On February 28, 1995, plans were made to accelerate Minor Modification OE-6143 which would replace the UPSs on Unit 3. This minor modification was scheduled to be performed during the upcoming (June 1995) Unit 3 refueling outage. The acceleration of the minor modification required that the package be revised to take into account the unit operating status and to revise post modification testing. In addition to the package revision, the replacement UPSs required expedited procurement. The replacement UPSs were ordered on Purchase Order #U11642-K5 from AT&T Global Supplies in Charlotte, North Carolina. Upon receipt of the purchase order, AT&T identified 2 UPSs (1KVA Model 4066069210) with their supplier and advised Oconee that the earliest delivery date was March 6, 1995.

After notification of the delivery date, Oconee management was consulted concerning the fact that the operability statement in SLC 16.7.2 would be exceeded. Upon notification of this problem, Oconee management requested that additional resources be expended to improve the delivery of the replacement UPSs and achieve replacement of the AMSAC and DSS power supplies within the 7 day operability requirement. In accordance with this request, change order 001 was issued on PO #U11642-K5 to procure 2 additional UPS assemblies from an AT&T field support site in Portland, Oregon. With an expected delivery date of March 3, 1995 and an approved modification plan, maintenance proceeded to remove the existing AMSAC and DSS UPSs for both channels. Since the replacement UPSs are physically smaller with different wiring and mounting mechanisms, modification of the existing wiring and mounting configuration was required. Even though the replacement UPSs are physically different, they still provide the same 1KVA power rating.

On March 3, 1995, AT&T called to inform Oconee that the 2 replacement UPSs ordered from AT&T Global Services would be received on March 9, 1995 rather than March 6, 1995. The delay was due to the fact that the supplier was having difficulty supplying the UPSs. In addition to the delay notification on March 3, 1995, Oconee received only 1 of the 2 UPSs which were ordered from the AT&T Field Support Site. This UPS was inspected and found to have an incorrect part number and power rating. Upon investigation by AT&T, it was determined that the incorrect shipment was due to the item being incorrectly tagged in the material inventory listing. On March 6, 1995, the balance of the order from the AT&T Field Support Site was received. Following inspection to

verify correct material, this item was placed on charge and later on March 6, 1995 was installed in Channel 1 of the AMSAC and DSS systems.

On March 6, 1995, an additional Change Order (002) was issued to AT&T for another 1KVA UPS from the AT&T Field Support Site in Downers Grove, Illinois. This UPS was air freighted to Greenville, South Carolina (GSP) on SONIC Air Freight and USAIR Flight #231. Upon arrival at GSP at 8:59PM on March 6, 1995, it was picked up at GSP by Oconee materials group and delivered to the plant warehouse. At 10:30 PM, the UPS was issued to Engineering and was transported to the SPOC I&E maintenance shop where the UPS was placed on charge awaiting installation on March 7, 1995.

On March 7, 1995, the installation of the Channel 2 UPS was completed. Following completion of all Post Modification Testing, the AMSAC and DSS systems were returned to operation. The total time that elapsed since declaring the AMSAC and DSS systems inoperable was less than 8 days. These systems missed the SLC commitment for return to operability by less than 24 hours.