

March 18, 2002

MEMORANDUM TO: Stuart Reiter  
Chief Information Officer

FROM: Michael L. Springer, Director */RA/*  
Office of Administration

SUBJECT: UNINTERRUPTABLE POWER FOR NRC DATA CENTERS

This is in response to your memorandum dated December 13, 2001, above subject, which described remaining issues for the TWFN Data Center. This will further clarify our future plans to address these issues.

As I indicated in my previous memorandum to you on this subject dated November 7, 2001, we successfully completed several actions that resolved your immediate problems with the electrical service in the TWFN Data Center. Discussions with your staff have resulted in the following understanding. First, we cannot guarantee, nor does your staff expect, that the Data Centers “**never** be subject to power transients and short-term power outages” (emphasis added) as expressed in your memorandum. Second, with respect to a perceived misunderstanding by my staff regarding which equipment in the Center should be supported by a UPS, we always planned to provide a UPS sized to support the entire Center. We only suggested that consideration be given to additional, redundant systems, for equipment you might consider to be critical. It is clear that you do not believe there is any advantage to redundancy, therefore, none will be provided.

The following responds to your specific issues:

- (a) Power to the TWFN Data Center - Plans are being finalized to purchase a new 125-150 KVA UPS along with a new distribution system to replace the existing sub-floor bus duct system this fiscal year. The new UPS will support the entire Data Center. The replacement of the OWFN UPS is still scheduled for FY 2004.
- (b) Capacity - As indicated above, the size of the new UPS will support the entire Center.
- (c) Monitoring - The existing OWFN UPS monitor will be relocated to the TWFN data center. The new UPS purchase will also include an automated digital monitoring device and software package for continuous system management.
- (d) Transients - TWFN UPS room is currently equipped with a surge arrester. Future purchases will also include a surge protector for each new UPS system.

(e) Redundancy - Redundant UPS units are not being considered.

(f) Long-Term Outage Protection - Back-up protection (battery size) of the new system will be about 15 minutes.

Our plans for purchase and installation of the new TWFN UPS and distribution system have started. We will continue to work with your staff to finalize these plans, and we will inform you of our progress. If you require further information, please contact Bahman Rowhani of my staff at 415-6467 or e-mail BAR1.

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DATE	3/12/02	3/15/02	3/15/02	3/18/02		

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