

February 15, 2006

Mr. B. K. Miles  
Naval Reactors  
Department of Energy  
Washington, DC 20585

SUBJECT: REQUEST FOR SPECIAL PACKAGE AUTHORIZATION FOR THE S5W  
POWER UNIT PACKAGE - REQUEST FOR ADDITIONAL INFORMATION

Dear Mr. Miles:

This refers to your application dated May 16, 2005, requesting a Special Package Authorization for a one-time shipment of the S5W Power Unit package. The application requested authorization for a shipment after the package's expiration date.

In connection with our review, we need the information identified in the enclosure to this letter. Additional information requested by this letter should be submitted in the form of revised pages. To assist us in scheduling staff review of your response, we request that you provide this information by May 12, 2006. If you are unable to provide a response by that date, our review may be delayed.

If you have any questions regarding this matter, we would be pleased to meet with you and your staff. I may be contacted at (301) 415-8500.

Sincerely,

**/RA/**

Jose R. Cuadrado, Project Engineer  
Spent Fuel Project Office  
Office of Nuclear Material Safety  
and Safeguards

Docket No. 71-9318  
TAC No. L23852

Enclosure: Request for Additional Information

Mr. B. K. Miles  
Naval Reactors  
Department of Energy  
Washington, DC 20585

SUBJECT: REQUEST FOR SPECIAL PACKAGE AUTHORIZATION FOR THE S5W  
POWER UNIT PACKAGE - REQUEST FOR ADDITIONAL INFORMATION

Dear Mr. Miles:

This refers to your application dated May 16, 2005, requesting a Special Package Authorization for a one-time shipment of the Model No. S5W Power Unit package. The application requested authorization for a shipment after the package's expiration date.

In connection with our review, we need the information identified in the enclosure to this letter. Additional information requested by this letter should be submitted in the form of revised pages. To assist us in scheduling staff review of your response, we request that you provide this information by May 12, 2006. If you are unable to provide a response by that date, our review may be delayed.

If you have any questions regarding this matter, we would be pleased to meet with you and your staff. I may be contacted at (301) 415-8500.

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<b>DATE:</b>	2/15/06		2/15/06		2/15/06			

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## **Request for Additional Information**

### **Special Package Authorization Request for use of Certificate of Compliance No. 5580 for the Model No. S5W Power Unit package Docket No. 71-9318**

By application dated May 16, 2005, the Department of Energy, Naval Reactors, requested approval of a special package authorization for use of the Model No. S5W Power Unit package. The application requested authorization of a one-time shipment of the S5W Power Unit package after its expiration date. This request identifies additional information needed by the Nuclear Regulatory Commission staff in connection with its review of the application. The requested information is needed by the staff to complete its review of the application and to ensure compliance with the special package authorization provisions of 10 CFR 71.41(d).

1. Provide additional information that demonstrates how compliance with the other provisions of the regulations (i.e., 10 CFR Part 71) is impracticable for this special package authorization request.

As stated in 10 CFR 71.41(d), a special package authorization for a one-time shipment may be approved if the applicant demonstrates that compliance with the other provisions of the regulations is impracticable. However, the application did not provide a specific answer or explanation that demonstrates this fact. The applicant may show that such compliance is impracticable by outlining the specific provisions of the regulations that the package does not meet, outlining some of the approximate levels of effort and time expenditures that would be incurred to meet these provisions or to upgrade the package design to the latest standards in 10 CFR Part 71, and qualitatively explaining whether or not these efforts justify any increased level of safety for the package during this one-time shipment.

This information is necessary to demonstrate compliance with 10 CFR 71.41(d).

2. Revise the application to include the specific package operations and maintenance program that will be used to ensure that the S5W Power Unit package meets the performance standards for which it was previously evaluated, prior to and during the one-time shipment.

The application requested a special package authorization for a one-time shipment of the S5W Power Unit package after its expected expiration date, and after an extended storage period. Notwithstanding the expected expiration of the package's CoC, this one-time shipment will not rely on alternate means (i.e., special controls or design features) for meeting the regulations because a previously approved package will be used. However, in order to ensure that the package meets the performance standards for which it was previously evaluated, the applicant should ensure that the S5W Power Unit package continues to undergo proper maintenance and is operated according to approved package operations, during the time elapsed between its expected expiration date and the date of the one-time shipment under special package authorization.

This information is necessary to demonstrate compliance with 10 CFR 71.41(d).