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DEC 20 1999

Director, Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
REGISTRATION OF USE OF DRY FUEL
STORAGE MODULE #2
PLA-5136**

Pursuant to 10 CFR 72.212(b)(1)(ii), this letter is being submitted to register PP&L's use of Dry Fuel Storage Module #2 at the Susquehanna Steam Electric Station. The required information follows.

Licensee Name: PP&L Incorporated and
Allegheny Electric Cooperative Incorporated

Licensee Address: Susquehanna Steam Electric Station
Route 11
P.O. Box 467
Berwick, PA 18603

Reactor License Numbers: Unit 1 NPF-14
Unit 2 NPF-22

Reactor Docket Numbers: Unit 1 50-387
Unit 2 50-388

Person Responsible for
Providing Additional Information: Joseph J. Meter, Sr. Engineer Licensing

Module Certificate Number: 1004

Module Model Number: NUHOMS-52B

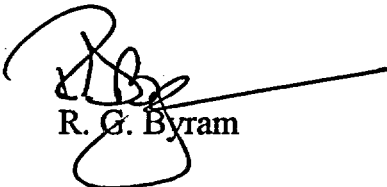
Module Identification: Dry Storage Canister SSES-52-B-R02
Horizontal Storage Module A-2

HF06

Director, Office of Nuclear
Material Safety and Safeguards
PLA-5136

Loading of the Horizontal Storage Module was completed November 20, 1999. Please contact Joseph J. Meter at (570) 542-1873 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. G. Byram', is written over a horizontal line. The signature is stylized and cursive.

copy: NRC Region I

Mr. S. L. Hansell, NRC Sr. Resident Inspector, SSES

Mr. V. Nerses, NRC Sr. Project Manager