

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9605020190 DOC. DATE: 96/04/29 NOTARIZED: NO DOCKET #
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv 05000387
 50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv 05000388
 AUTH. NAME AUTHOR AFFILIATION
 BYRAM, R.G. Pennsylvania Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Requests use of Code Case N-71-16 at Susquehanna SES to procure "Unistrut" pipe straps for control rod drive hydraulic sys.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2
 TITLE: OR Submittal: General Distribution

NOTES:

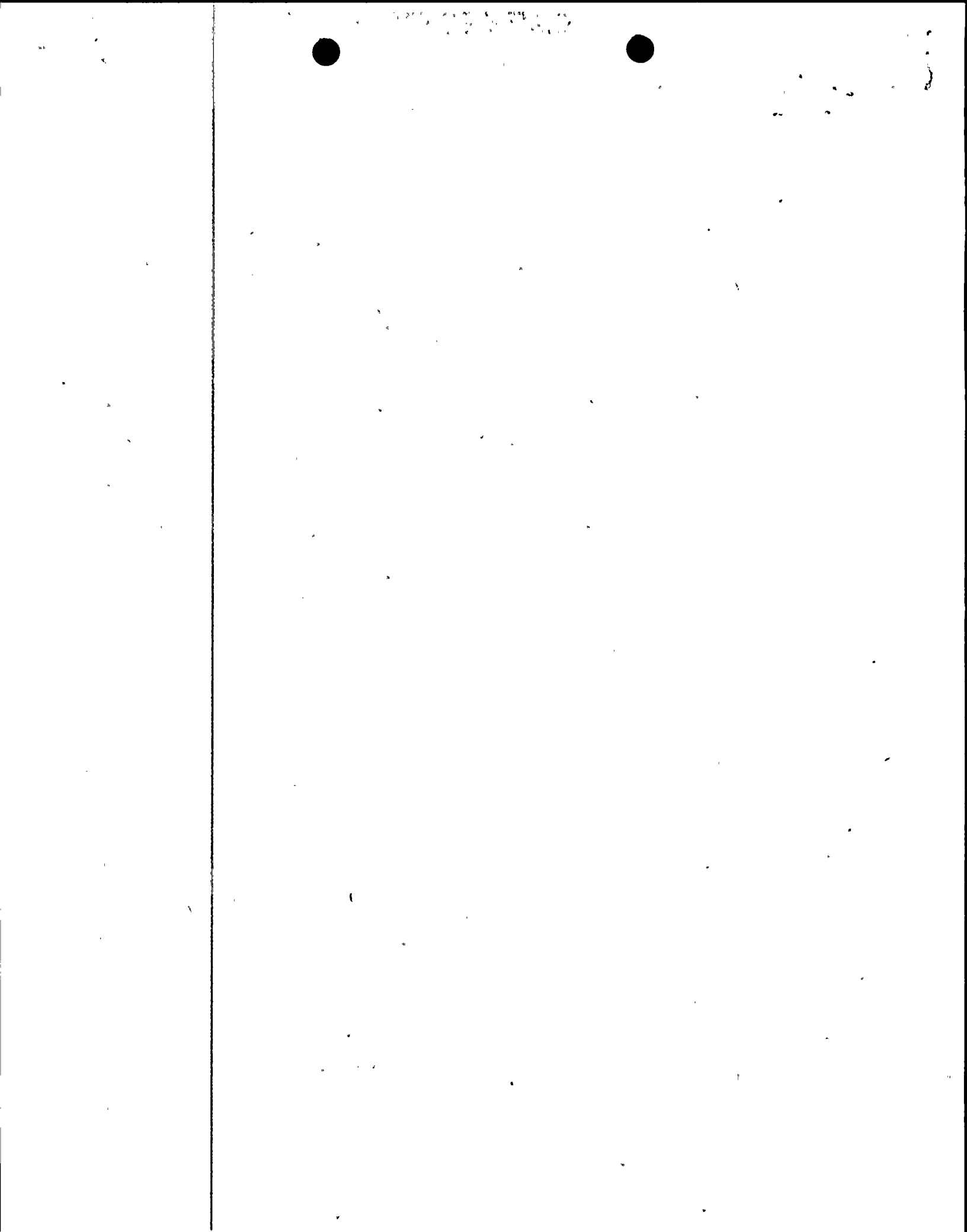
05000387

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID CODE/NAME		LTR	ENCL		ID CODE/NAME		LTR	ENCL
	PD1-2 LA		1	1		PD1-2 PD		1	1
	POSLUSNY, C		1	1					
INTERNAL:	ACRS		6	6		<u>FILE CENTER 01</u>		1	1
	NRR/DE/EMCB		1	1		NRR/DRCH/HICB		1	1
	NRR/DSSA/SPLB		1	1		NRR/DSSA/SRXB		1	1
	NUDOCS-ABSTRACT		1	1		OGC/HDS2		1	0
EXTERNAL:	NOAC		1	1		NRC PDR		1	1
NOTES:			1	1					

NOTE TO ALL "RIDS" RECIPIENTS:
 PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM OWFN 5D-5 (EXT. 415-2083) TO ELIMINATE YOUR NAME FROM
 DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 19 ENCL 0

C
A
T
E
G
O
R
Y
1
D
O
C
U
M
E
N
T





Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101-1179 • 610/774-5151

Robert G. Byram
Senior Vice President-Nuclear
610/774-7502
Fax: 610/774-5019

APR 29 1996

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
REQUEST FOR THE USE OF CODE CASE N-71-16
PLA-4444 FILE R41-2**

Docket Nos. 50-387
and 50-388

The purpose of this letter is to request the use of Code Case N-71-16 at Susquehanna SES. This Code Case will be used to procure 'Unistrut' pipe straps for the Control Rod Drive Hydraulic System. The Control Rod Drive Hydraulic System at Susquehanna SES was constructed in accordance with ASME Section III 1974 Edition with Addenda through Winter 1975. The later requirements of Subsubarticle NF-2610 from the 1977 Edition with Addenda through Winter 1977 and Code Case 1644-8 apply to piping system supports. The piping supports for the insert and withdrawal lines utilize 'Unistrut' channel and pipe straps.

Code Case N-71-16 will be used to procure 'Unistrut' pipe straps made from ASTM A570 Grade 33 material. Grade 33 material is 33 ksi minimum Yield Strength and 52 ksi minimum Ultimate Tensile Strength. Grade 33 material is Unistrut's current standard material for the pipe straps we require. The latest Code Case revision endorsed by the NRC is N-71-15, which addresses the use of ASTM A570 Grades 36 and 45. In the past, Unistrut used Grade 36 as the standard pipe strap material. Until recently, PP&L was able to procure straps made with Grade 36 material from stock, but we are no longer able to do so. Therefore, it would be necessary to have Unistrut specially fabricate these straps using Grade 36 material at a significant and burdensome price unless we could utilize Code Case N-71-16.

The use of Grade 33 material meets the original design of our piping supports and creates no safety concerns. The original design of our system utilized ASTM A570 Grade C material for pipe straps, as permitted by Code Case 1644-8. Grade C material is 33 ksi minimum Yield Strength and 52 ksi minimum Ultimate Tensile Strength. In the 1978 version of A570, the letter grades were changed to number grades. Grade 33 material was not included. The Code Case was also revised to the number grades and permitted the use of Grade 36 material as a replacement for Grade C material. The following year, A570 was again revised and included Grade 33 material. However, the Code Case was not changed to reflect this until the N-71-16 version.

9605020190 960429
PDR ADOCK 05000387
PDR

A001
1/0

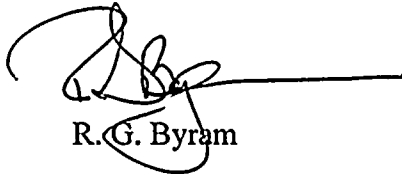
071020

A570 Grade 33 material is identical to A570 Grade C material from the earlier editions of the ASTM specification, except for the specified manganese and sulfur content. Grade C material had manganese specified at 0.25 to 0.60% and maximum sulfur at 0.04% while Grade 33 material specifies a maximum content of 0.90% for manganese and 0.05% for sulfur. We have concluded that the sulfur increase is inconsequential and the manganese increase is beneficial to a small degree.

We request your approval to use this code case by September 15, 1996, in order that we may procure the necessary straps from Unistrut for work to be completed in the upcoming refueling outage in September 1996.

If you have any questions, please contact C. T. Coddington at (717) 542-3289.

Very truly yours,



R.G. Byram

copy: NRC Region I
Ms. M. Banerjee NRC Sr. Resident Inspector
Mr. C. Poslusny, Jr. NRC Sr. Project Manager



10-1-1

10-1-1