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 SAGER, D.A. Florida Power & Light Co.
 RECIPIENT AFFILIATION
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SUBJECT: Requests approval to use ASME Section IX Code Case 2142,
 "F-Number Grouping for Ni-Cr-Fe, Classification UNS NO6052
 Filler Metal," in repair of Unit 2 pressurizer instrument
 nozzles.

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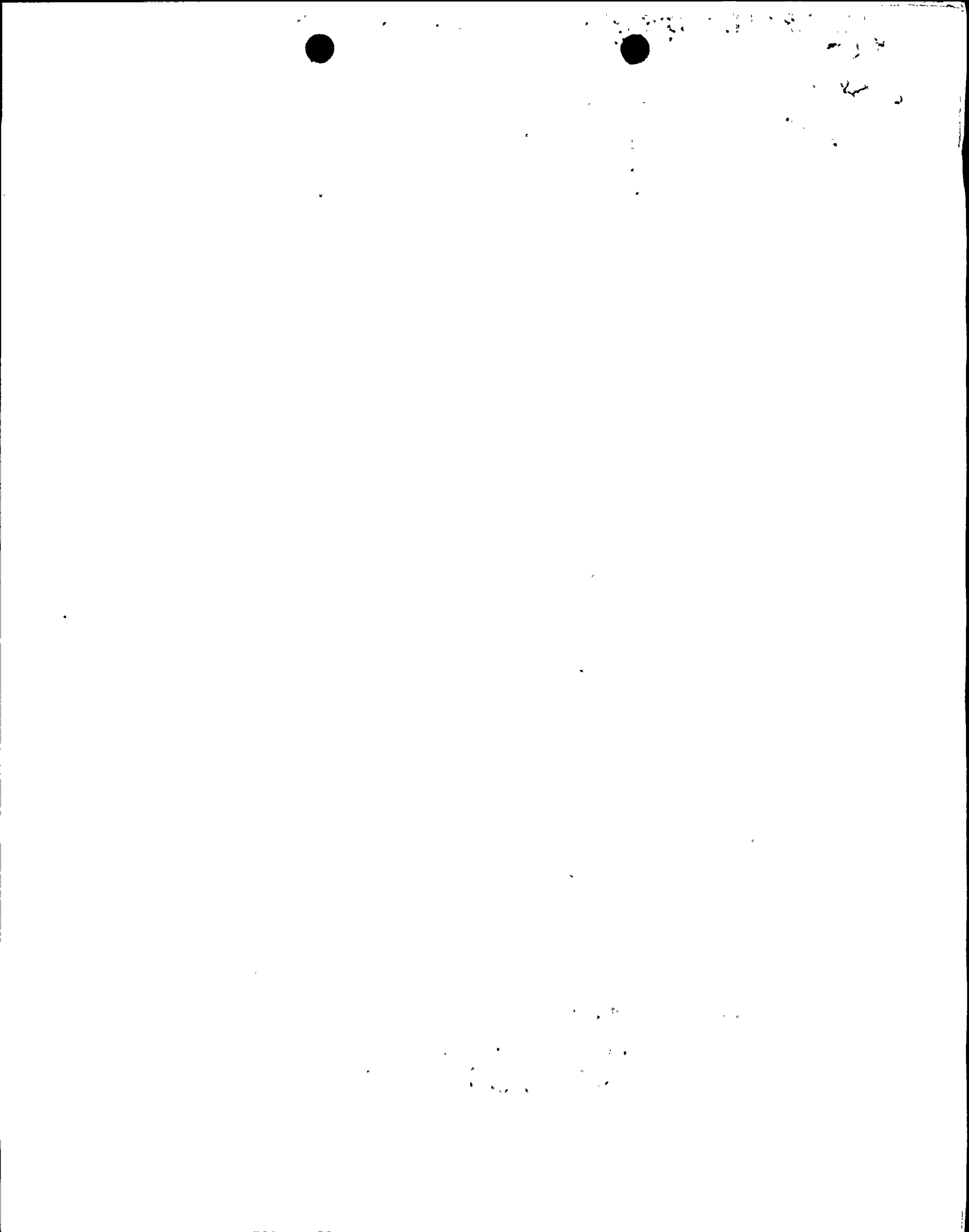
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March 23, 1994

L-94-071
10 CFR 50.55a

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

RE: St. Lucie Unit 2
Docket No. 50-389
Use of ASME Section IX Code Case 2142

Pursuant to 10 CFR 50.55a(a)(3), Florida Power and Light Company requests approval to use ASME Section IX Code Case 2142, "F-Number Grouping for Ni-Cr-Fe, Classification UNS N06052 Filler Metal," in the repair of the St. Lucie Unit 2 pressurizer instrument nozzles. The Alloy 690 matching weld metal described in this code case is the preferred choice for this repair and provides an acceptable level of quality and safety because of its improved corrosion resistant properties. In order to prevent delay of entry into Operational Mode 4, approval is requested by April 1, 1994.

Code case 2142 was approved by the ASME Board of Pressure Technology on December 7, 1992. However, this case is a supplement to the 1992 edition of the ASME code which has not been incorporated by reference into the federal regulations. A copy of Code Case 2142 is attached to this letter for your information.

Please contact us if there are any questions about this submittal.

Very truly yours,

D. A. Sager
D. A. Sager
Vice President
St. Lucie Plant

DAS/JWH/RLD/kw

DAS/PSL #1092-94

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

280059
an FPL Group company

9403280309 940323
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PDR

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CASES OF ASME BOILER AND PRESSURE VESSEL CODE

Approval Date: November 25, 1992

See Numerical Index for expiration
and any reaffirmation dates.

Case 2142
F-Number Grouping for Ni-Cr-Fe, Classification
UNS N06052 Filler Metal
Section IX

Inquiry: What alternate rules may be applied to grouping UNS N06052 Ni-Cr-Fe welding filler metal meeting the chemical requirements of Table 1 but otherwise conforming to AWS 5.14 to reduce the number of welding procedure and performance qualifications?

Reply: It is the opinion of the Committee that UNS N06052 Ni-Cr-Fe welding filler metal meeting the chemical requirements of Table 1 but otherwise conforming to AWS A5.14 may be considered as F-No. 43 for both procedure and performance qualification purposes. Further, this material shall be identified as UNS N06052 in the Welding Procedure Specification, Procedure Qualification Record and Performance Qualification Records.

This Case number shall be shown on the Manufacturer's Data Report.

TABLE 1
CHEMICAL REQUIREMENTS (UNS N06052)

Element	Composition, %
Carbon, max.	0.04
Manganese, max.	1.00
Phosphorus, max.	0.020
Sulphur, max.	0.015
Silicon, max.	0.50
Chromium	28.0-31.5
Molybdenum, max.	0.50
Nickel	Bal.
Columbium, max.	0.10
Aluminum, max.	1.10
Aluminum & Titanium, max.	1.50
Copper, max.	0.30
Iron	7.0-11.0
Titanium, max.	1.0
Other Elements, max.	0.50

