



REPORT

June 24, 1982
L.P. No. M-6850

Power Authority of the State of New York
123 Main Street
White Plains, New York

Your P.O. NYO-82-105 OEAR 234

Attention: Mr. W. Spataro

Subject: CHARPY IMPACT TESTS WELD PLATE COUPON
3/36 IN. DIAMETER E 7018 ELECTRODES

A welded plate coupon was submitted to Lucius Pitkin, Inc. for Charpy V-notch impact testing.

Five standard 10 x 10 mm Charpy V-notch specimens were removed from mid-thickness of the welded plate coupon. The longitudinal axis of the Charpy specimens was oriented transverse to the weld deposit. The notch was oriented perpendicular to the plate surface. Preparation of the Charpy specimens was in accordance with Specification SFA 5.1 of the ASME Boiler and Pressure Vessel Code. Each of the Charpy specimens was tested at +10 F. Results of the tests are shown in the appended tables.

Respectfully submitted,

LUCIUS PITKIN, INC.

A. J. Vecchio
Vice President &
Asst. Chief Metallurgist

AJV/mm/4

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Lucius Pitkin
incorporated

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TABLE I

RESULTS OF CHARPY V-NOTCH IMPACT TESTS

(SPECIMEN SIZE: 10 x 10 mm)

<u>Specimen No.</u>	<u>Test Temp., °F</u>	<u>Energy Absorbed, ft-lbs</u>	<u>Lateral Expansion, in.</u>	<u>Percent Shear</u>
1	+ 10 F	213.0	0.076	100
2	+ 10 F	158.0	0.086	100
3	+ 10 F	190.0	0.092	100
4	+ 10 F	166.0	0.081	100
5	+ 10 F	189.0	0.071	100

Respectfully submitted,

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