

ATTACHMENT A

ADDENDUM NO. 1

Report of Pipe Support Inspections  
Performed on Thermally Insulated  
Lines in Response to IE Bulletin 79-14

Consolidated Edison Company of New York, Inc.  
Indian Point Unit No. 2  
Docket No. 50-247  
February, 1981

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Con Edison's reports of pipe inspection actions taken in response to IE Bulletin No. 79-14 were provided to the Commission by letters dated August 1, 1979, September 28, 1979 and October 25, 1979. In the September 28, 1979 submittal, the inspection of piping containing thermal insulation was discussed. The presence of thermal insulation did not preclude determination of the location of pipe supports. However, in certain instances, insulation partially or totally obstructed support details (such as a bolt or a "C" clamp type support attachment). Therefore, at the time of these inspections, an estimate was made of the number of supports on lines requiring inspection which could have details either partially or totally obstructed by insulation. Of the 160 supports identified, 22 were re-inspected with insulation removed to verify proper support detail installation. This satisfied the requirement of IE Bulletin No. 79-14-Supplement 2 that a minimum of 10% of the obstructed pipe supports be inspected. Inspections of the 22 insulated supports revealed no nonconformances.

It was stated in our September 28, 1979 submittal that although we believed the engineering review at the time of the inspections over-estimated the number of partially or totally obstructed supports, additional engineering review and/or further inspections would be made to positively define the number of potentially obstructed supports. If this re-review resulted in the need for additional pipe support inspections, we committed to performing these re-inspections as accessibility permitted but no later than the end of the next (1981) refueling outage.

As a result of the above re-review, 208 supports on 23 thermally insulated lines were identified as being potentially obstructed supports. A visual inspection for the existence and integrity of each of these supports has been completed. Of the 208 supports inspected the details for 58 were completely obscured and required insulation removal for adequate inspection. Where insulation was removed, it was subsequently replaced. Seven (7) supports required maintenance and were corrected, one (1) support required an Engineering evaluation, and five (5) supports which were either partially or totally inaccessible necessitated reanalysis of three lines. Inspections of the remaining 195 supports revealed no discrepancies.

The maintenance required for the seven (7) supports consisted of replacement of U-bolts, missing nuts or bolts, and removal of rust from a base plate. One (1) support was found located ten (10) feet from its prescribed position; however, an Engineering evaluation determined that the existing location was acceptable and no modification was required. The three (3) lines containing the five (5) inaccessible supports were reanalyzed in the same manner as were the lines containing inaccessible supports identified during the original (1979) line verification program. As described in our September 28, 1979 submittal, these lines were reanalyzed assuming inaccessible supports potentially inoperable based on a conservative nonconformance rate. The results of the more recent reanalyses for the three (3) lines discussed above demonstrate that the allowable stress criteria, as outlined in the FSAR Appendix A, are satisfied in each case.

APPENDIX A

(ADDENDUM NO. 1)

Additional "Summary Results" Sheets For  
Statically Analyzed Line Verification  
Program

Consolidated Edison Company of New York, Inc.  
Indian Point Unit No. 2  
Docket No. 50-247  
February, 1981

Line  
NumberSupport  
Number

Remarks

V-3

SR-M29

Acceptable.

SR-M30

Acceptable.

SR-M31

Acceptable.

MS-373

Acceptable.

MS-373B

Acceptable.

V-4

MS-374

Acceptable.

SRM-27

Acceptable.

SRM-25

Acceptable.

SRM-52

Acceptable.

V-5

MS-376

Acceptable.

SRM-34

Acceptable.

SRM-37

Acceptable.

SRM-35

Acceptable.

V-6

SRM-39

Acceptable.

SRM-40

Acceptable.

MS-375B

Acceptable.

MS-375

Acceptable.

SRM-41

Acceptable.

1500

SR-503

Acceptable.

MS-454

Acceptable.

SR-503A

Acceptable.

SR-503B

Acceptable.

MS-453

Acceptable.

SR-502

Acceptable.

Line  
NumberSupport  
Number

Remarks

1501

MS-455

Acceptable.

MS-451A

Acceptable.

MS-452

Acceptable.

MS-451

Acceptable.

MS-459

Partially inaccessible - Acceptable by Analysis.

SR-M20A

Acceptable.

SR-M20B

Acceptable.

SR-M21A

Acceptable.

MS-462-1A

Acceptable.

SR-507C

Acceptable.

SR-507

Acceptable.

MS-463-1A

Acceptable.

SR-507B

Acceptable.

SR-507A

Acceptable.

SR-M21B

Acceptable.

SR-M22A

Acceptable.

SR-M22B

Acceptable.

SR-M24

Acceptable.

SR-M23B

Acceptable.

SR-M23A

Acceptable.

SR-499

Acceptable.

SR-500

Acceptable.

SR-501

Acceptable.

SR-501B

Acceptable.

SR-501A

Acceptable.

SR-504

Acceptable.

SR-505

Acceptable.

SR-506

Acceptable.

Line  
NumberSupport  
Number

Remarks

17 (PAB)

CH-164

Acceptable.

CH-165

Acceptable.

CH-163

Acceptable.

CH-162

Acceptable.

SR-261 A

Acceptable.

CH-237

Acceptable.

CH-238

Acceptable.

CH-239

2-bolt mount vs. 4-bolt → Corrected. (Acceptable).

CH-259

2-bolt mount vs. 4-bolt → Corrected. (Acceptable).

SR-627

Acceptable.

SR-621

2-bolt mount vs. 4-bolt → Corrected. (Acceptable).

SR-625

2-bolt mount vs. 4-bolt → Corrected. (Acceptable).

SR-619

Acceptable.

SR-623

Acceptable.

SR-276

Acceptable.

SR-285

Acceptable.

CH-53

Acceptable.

CH-59

Acceptable.

CH-60

Acceptable.

CH-61

One bolt missing → Corrected. (Acceptable).

Line Number	Support Number	Remarks
17 (vc)	CH-104	Acceptable.
	CH-105	Acceptable.
	CH-106	Acceptable.
	CH-107	Acceptable.
	CH-102	Acceptable.
	CH-103	Acceptable.
	17SR-1	Acceptable.
	17SR-2	Acceptable.
	17SR-3	Acceptable.
	17SR-4	Acceptable.
27	CH-113	Inaccessible - Acceptable by Analysis.
	CH-114	Partially inaccessible - Acceptable by Analysis.
	CH-115	Acceptable.
	CH-116	Acceptable.
	SR-899A	Acceptable.
	SR-898	Partially Inaccessible - Acceptable by Analysis.
	SR-900	Acceptable.
61	SR-882	Acceptable.
	SR-881A	Acceptable.
	SR-881	Acceptable.
	SR-890	Acceptable.
	SR-888	Acceptable.
	SR-884B	Acceptable.
	SR-884A	Outer nut missing → Corrected. (Acceptable).
	SR-892	Acceptable.

Line Number	Support Number	Remarks
61 (Cont'd)	SR-894	Acceptable.
	SR-893	Acceptable.
	SR-892A	Acceptable.
	RCH-63	Acceptable.
	RCH-62	Acceptable.
	RCH-61	Acceptable.
	RCH-66	Acceptable.
	RCH-65	Acceptable.
	RCH-72	10' Higher - Acceptable by Eng'g. Evaluation.
	SR-887	Partially Inaccessible - Acceptable by Analysis.
	SR-889	Acceptable.
	SR-921	Acceptable.
62	RCH-74	Acceptable.
	RCH-75	Acceptable.
	SR-889	Acceptable.
	SR-924	Acceptable.
	SR-922A	Acceptable.
	SR-922B	Acceptable.
	SR-924A	Acceptable.
63	RCH-76	Acceptable.

Line  
NumberSupport  
Number

Remarks

64

64-H-10

Acceptable.

64-H-9

Acceptable.

64-H-7

Acceptable.

64-H-6

Acceptable.

64-H-5

Acceptable.

64-H-4

Acceptable.

64-H-3

Acceptable.

64-H-2

Acceptable.

64-SR-6

Acceptable.

64-SR-7

Acceptable.

64-SR-8

Acceptable.

64-SR-10

Acceptable.

64-SR-11

Acceptable.

64-SR-12

Acceptable.

64-SR-15

Acceptable.

64-SR-16

Acceptable.

64-SR-21

Acceptable.

64-SR-22

Acceptable.

64-SR-23

Acceptable.

64-SR-24

Acceptable.

64-SR-25

Acceptable.

64-H-8

Acceptable.

70

RCH-52

Acceptable.

RCH-51

Acceptable.

70-SR-13

Acceptable.

70-SR-10

Acceptable.

70-SR-12

Acceptable.

70-SR-11

Acceptable.

Line  
NumberSupport  
Number

Remarks

79

CH-120

Acceptable

CH-121

Acceptable.

CH-126

Acceptable.

CH-127

Acceptable.

SR-901

Acceptable.

SR-902

Acceptable.

SR-903

Acceptable.

SR-904

Acceptable.

SR-905

Acceptable.

SR-906

Acceptable.

SR-907

Acceptable.

SR-908

Acceptable.

SR-909

Acceptable.

SR-910

Acceptable.

SR-911

Acceptable.

SR-911A

Acceptable.

80

CH-129

Acceptable.

CH-130

Acceptable.

CH-131

Acceptable.

CH-132

Acceptable.

SR-915B

Acceptable.

SR-916

Acceptable.

SR-920A

Acceptable.

SR-920B

Acceptable.



Line Number	Support Number	Remarks
413	SR-376A SR-395A SWH-178 SWH-181	Acceptable. Acceptable. Acceptable. Acceptable.
414	SR-377 SR-377A SWH-179 SWH-180 SWH-182 SR-396A	Acceptable. Acceptable. Acceptable. Acceptable. Acceptable. Acceptable.
153	153-H-1 153-H-2	Acceptable. Acceptable.
199	SIH-54 SIH-55	Acceptable. Acceptable.