



A unit of American Electric Power

Indiana Michigan Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
IndianaMichiganPower.com

October 9, 2020

AEP-NRC-2020-71
10 CFR 50.55a

Docket No.: 50-315

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

**Supplement to Request for Relief Related to American Society of Mechanical Engineers (ASME)
Code Case N-729-6 Supplemental Examination Requirements, ISIR-5-04**

Reference:

Letter from Q. S. Lies, Indiana Michigan Power Company to U. S. Nuclear Regulatory Commission, "Request for Relief related to American Society of Mechanical Engineers (ASME) Code Case N-729-6 Supplemental Examination Requirements, ISIR-5-04," dated October 5, 2020, (ADAMS Accession No. ML20279A713).

By the Reference letter, pursuant to 10 CFR 50.55a(z)(2), Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 1, requested that the Nuclear Regulatory Commission (NRC) approve an alternative to Code Case N-729-6 for CNP Unit 1. At the time the relief request was submitted, I&M had not completed the CO₂ cleaning and subsequent visual examination (VE) required by Code Case N-729-6 Paragraph -3142.1 (b)(2).

The purpose of this supplement is to provide the photographs of the U1 reactor vessel closure head (RVCH) and provide the post CO₂ cleaning update of the results of the subsequent VE. I&M performed CO₂ cleaning and VE on the 17 specific penetrations and general surfaces identified in the Reference letter to have relevant conditions. The subsequent VE found no relevant conditions in the identified areas specified in the Reference letter, of the RVCH. The enclosure to this letter provides photographs of both the pre-CO₂ cleaning condition and final condition following CO₂ cleaning of the RVCH.

I&M requested approval of the proposed relief request prior to entry into Mode 2. Mode 2 is now scheduled to occur early on October 15, 2020. I&M is still requesting approval of the relief request on the original date of October 14, 2020.

There are no new commitments in this letter. Should you have any questions, please contact Mr. Michael K. Scarpello, Director of Regulatory Affairs, at (269) 466-2649.

Sincerely,

A handwritten signature in cursive script that reads "Q. Shane Lies". The signature is written in black ink and is positioned above the typed name and title.

Q. Shane Lies
Site Vice President

DLW/kmh

Enclosure: Final Photographs of the CNP Unit 1 Reactor Vessel Closure Head (RVCH)

c:

R. J. Ancona – MPSC
EGLE – RMD/RPS
J. B. Giessner – NRC Region III
NRC Resident Inspector
S. P. Wall – NRC Washington, D.C.
A. J. Williamson – AEP Ft. Wayne, w/o enclosures

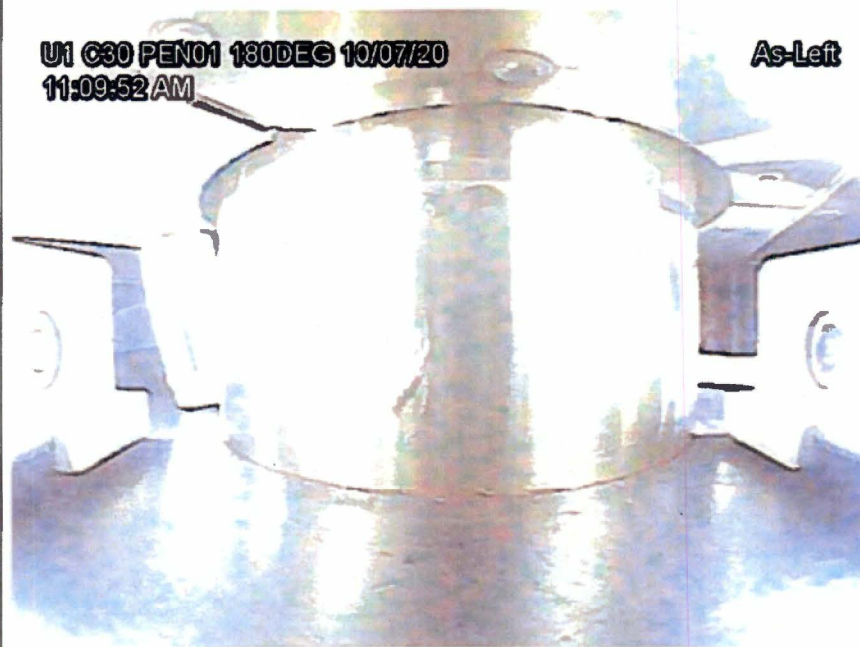
Enclosure to AEP-NRC-2020-71

Final Photographs of the CNP Unit 1 Reactor Vessel Closure Head (RVCH)

U1C30 RVCH Inspection Photos Penetration Number 1



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 7



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 8

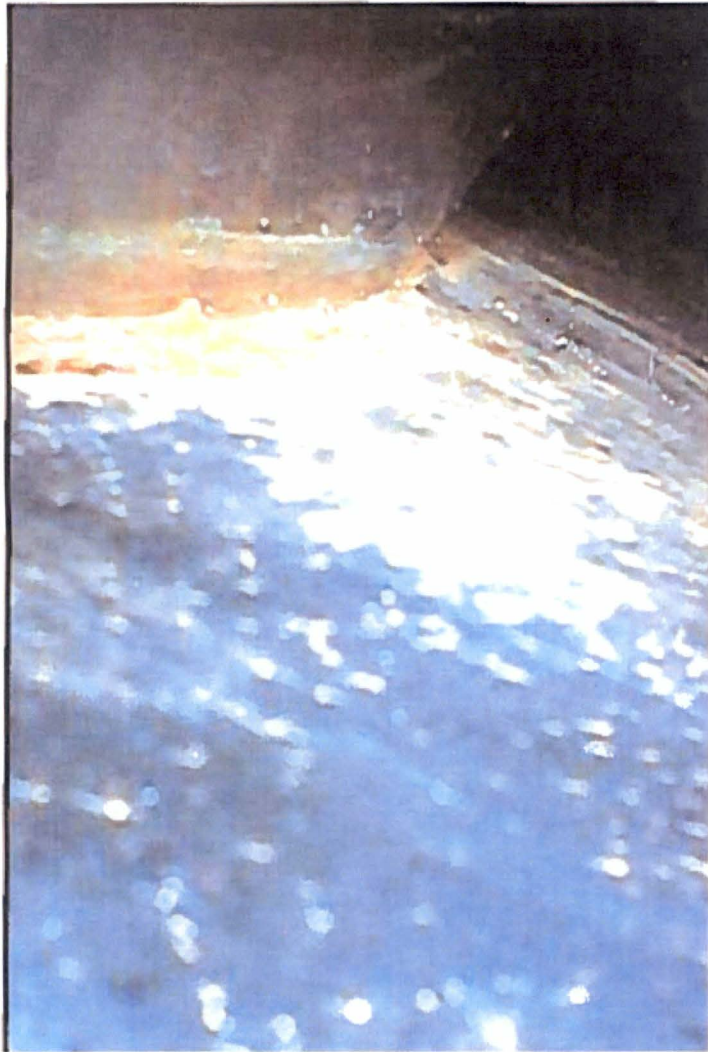


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos
Penetration Number 10



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos
Penetration Number 22



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 23

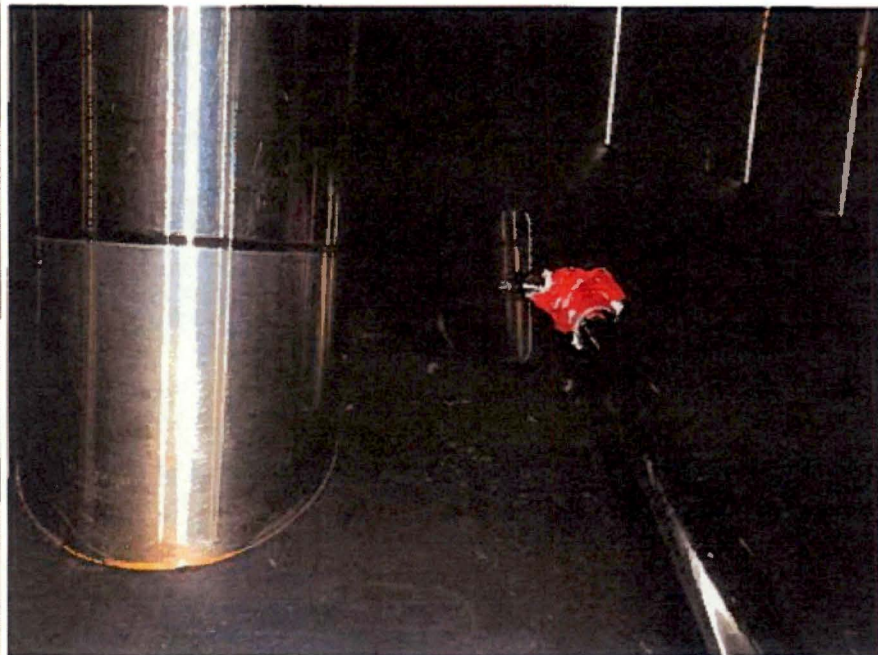


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 39

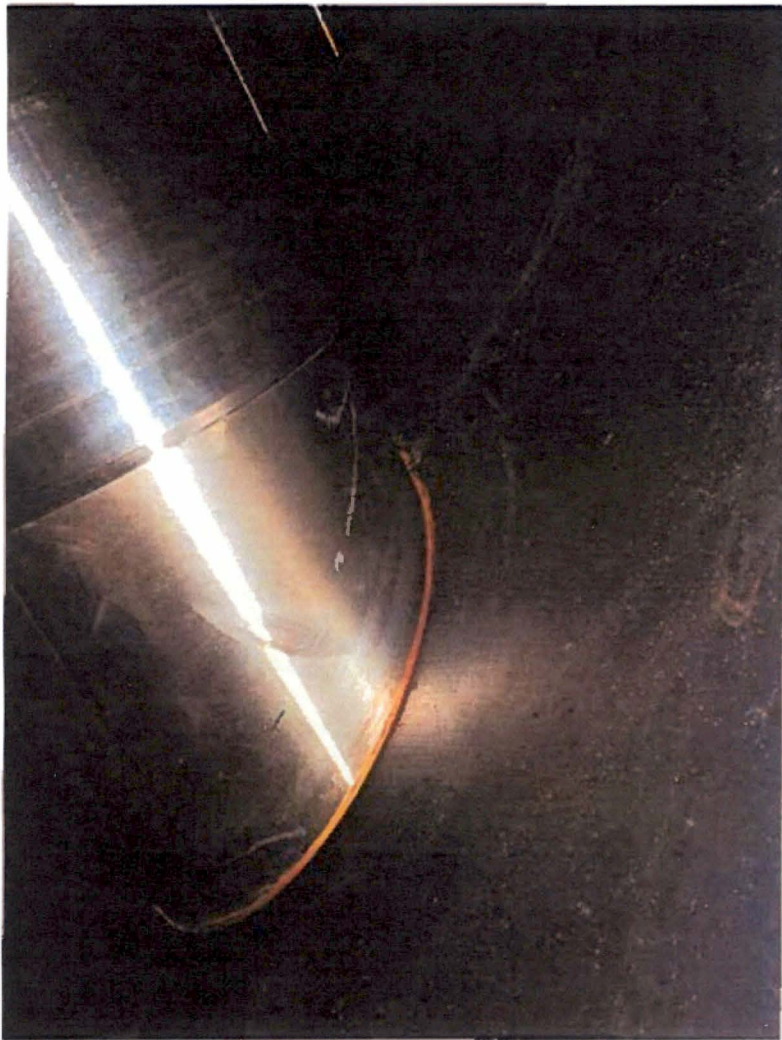


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 46

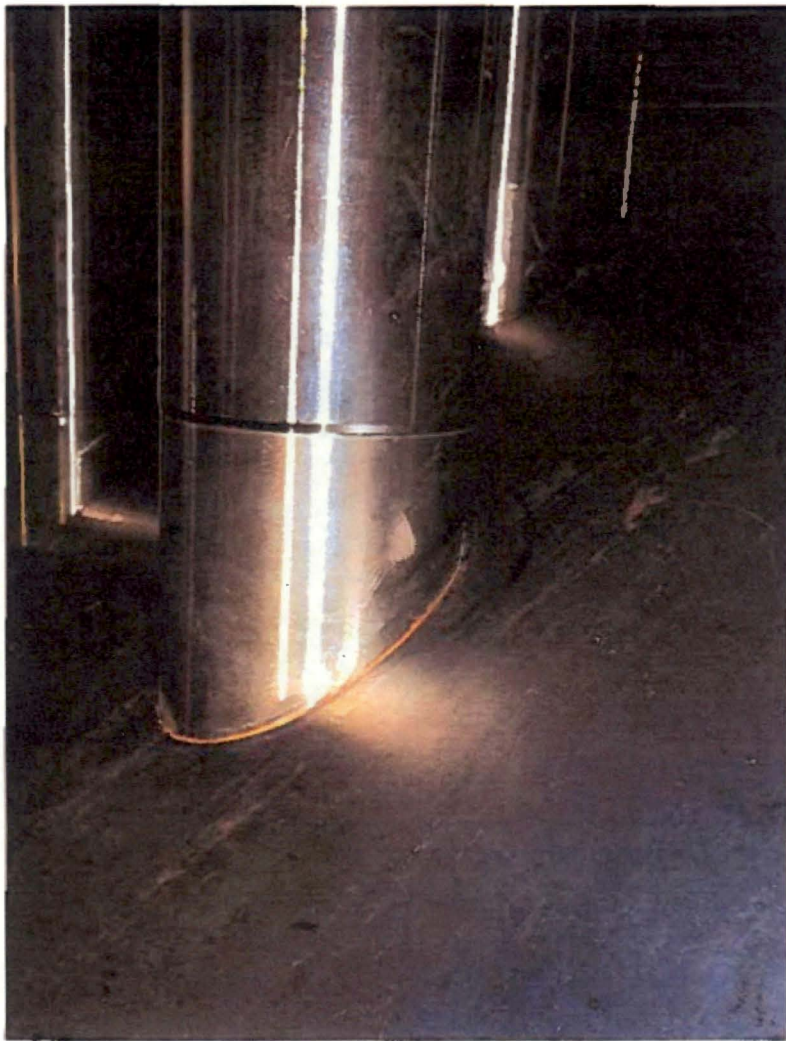


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 59



As Found Photo

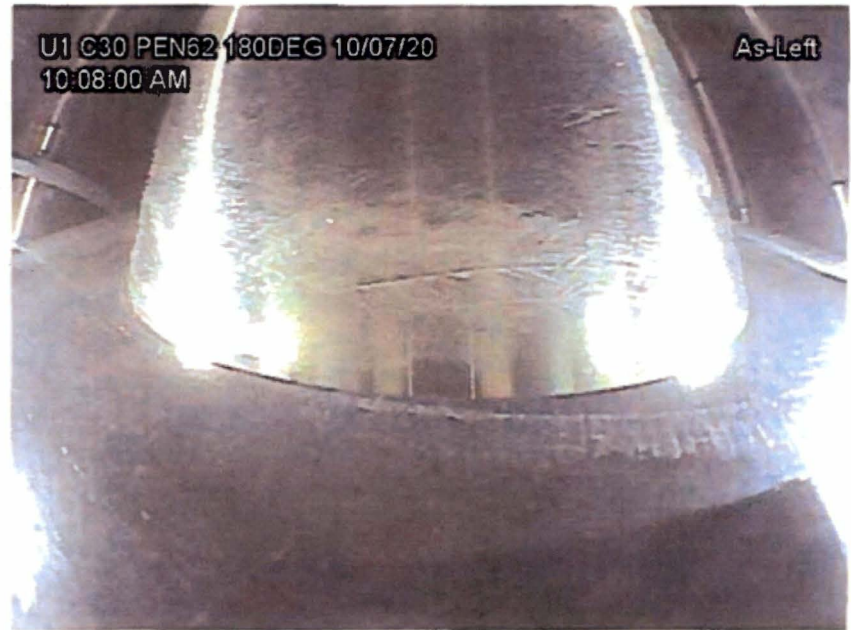


As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 62

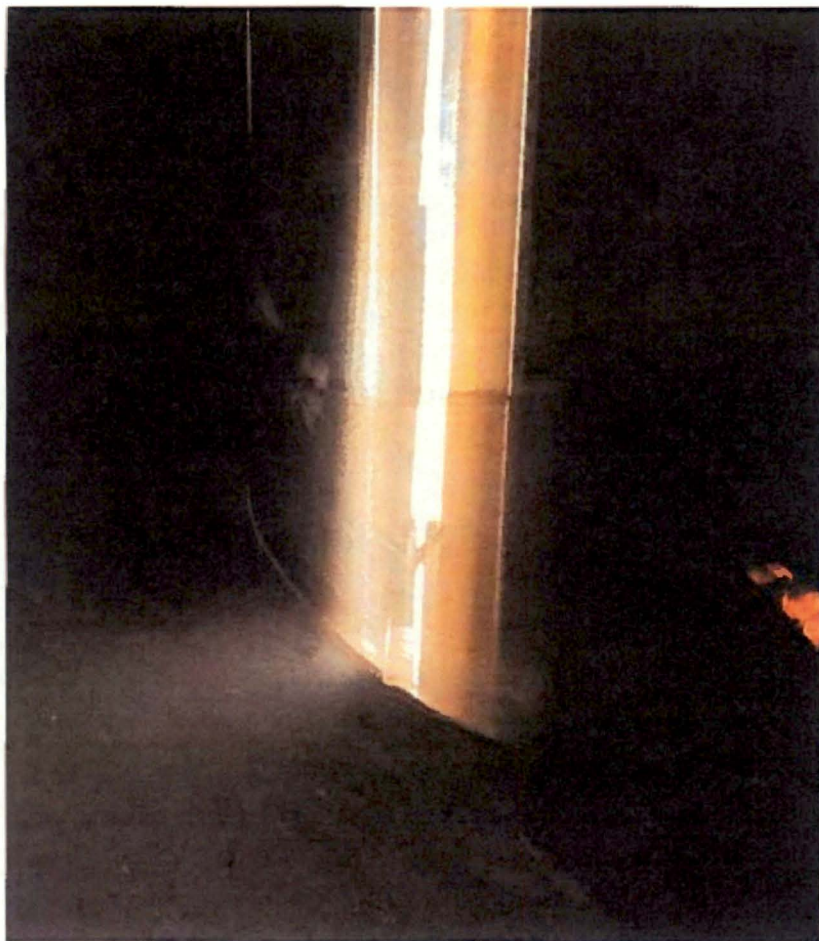


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 64

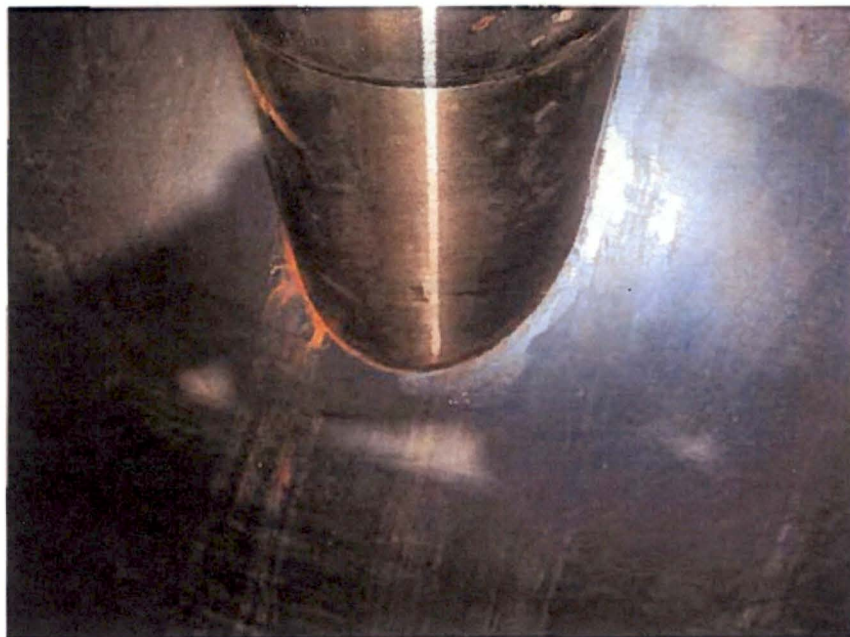


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 70



As Found Photo

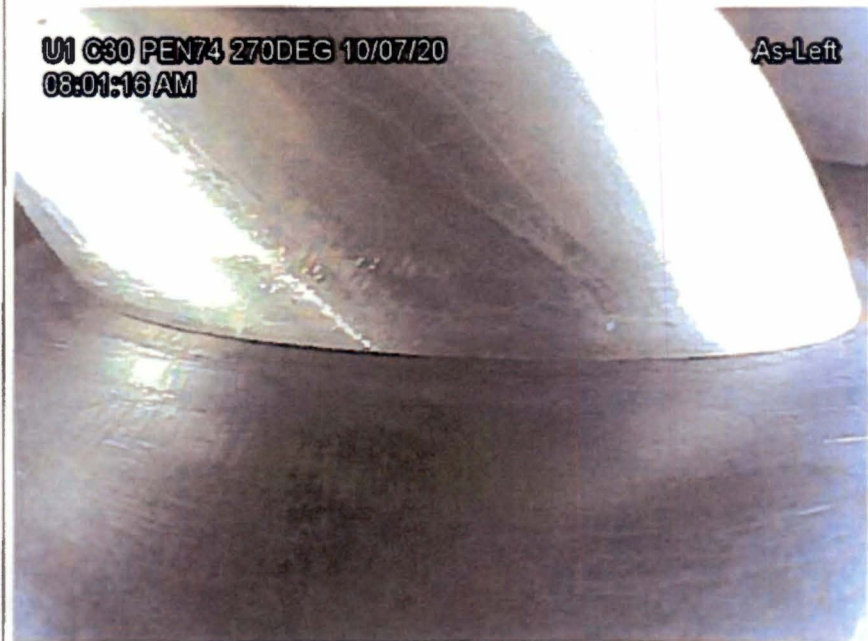


As Left Photo

U1C30 RVCH Inspection Photos
Penetration Number 74



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 75



As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 76



As Found Photo

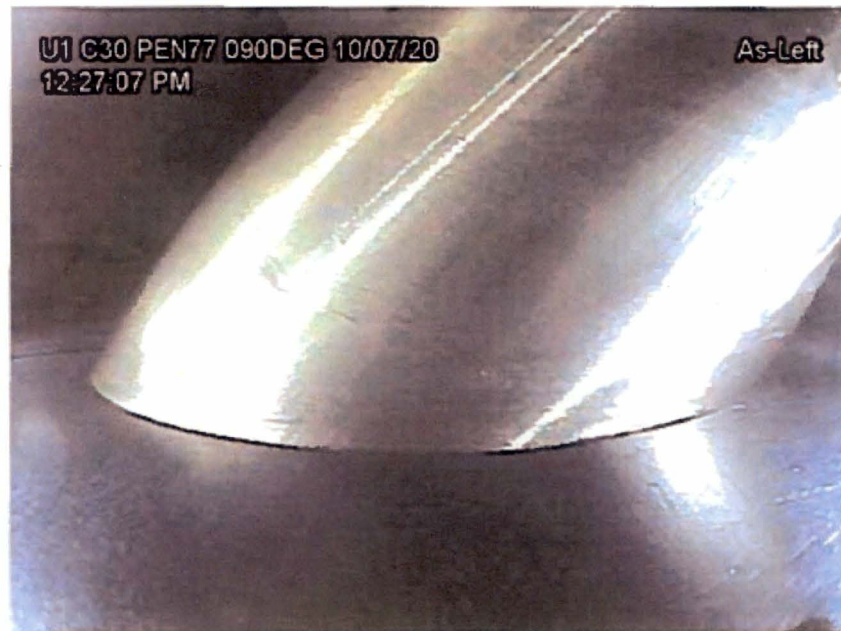


As Left Photo

U1C30 RVCH Inspection Photos Penetration Number 77

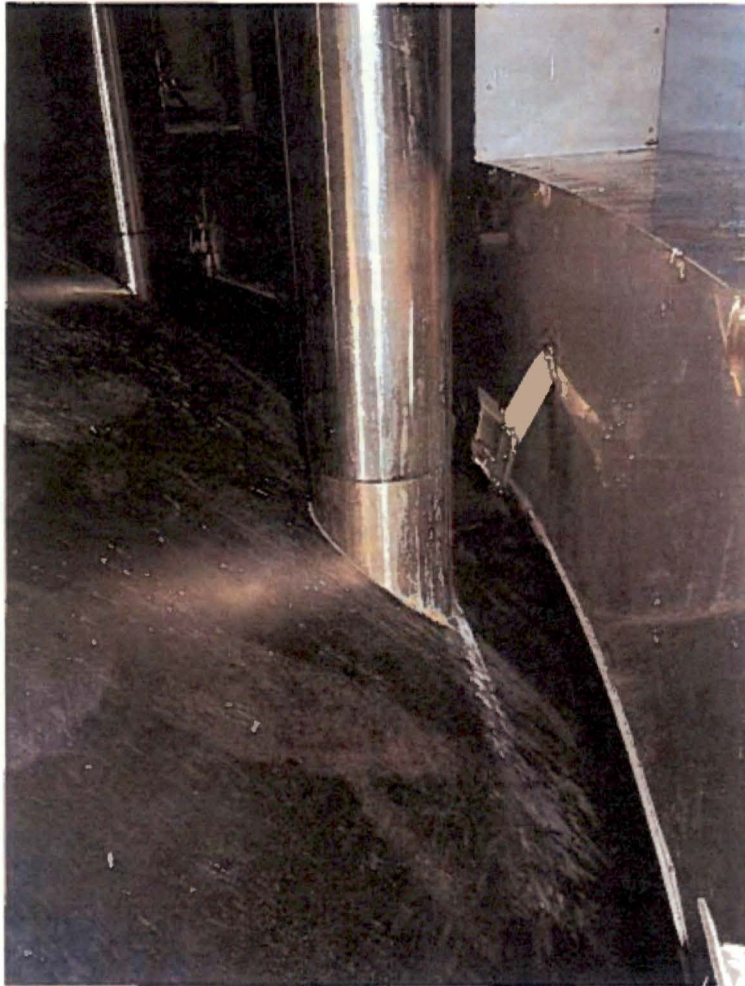


As Found Photo



As Left Photo

U1C30 RVCH Inspection Photos
Penetration Number 79

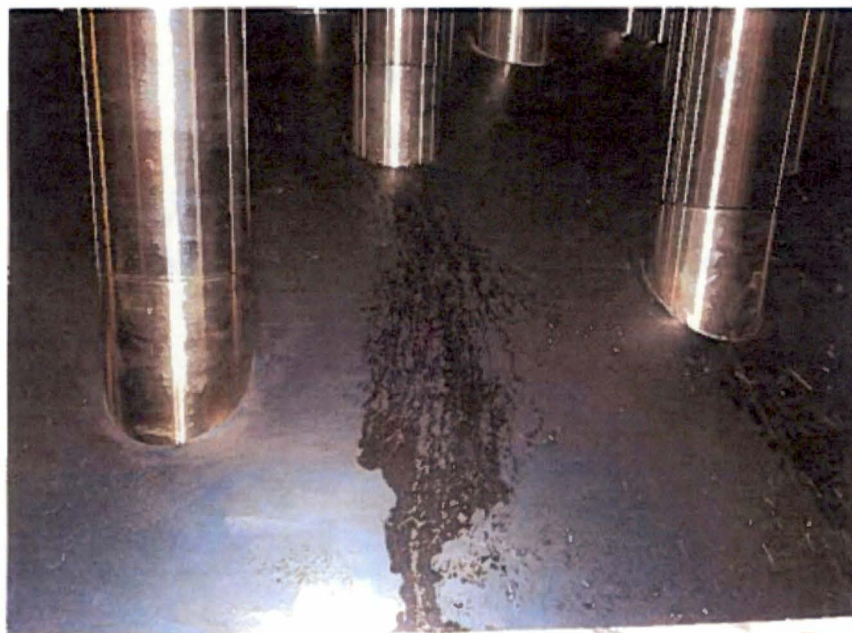


As Found Photo

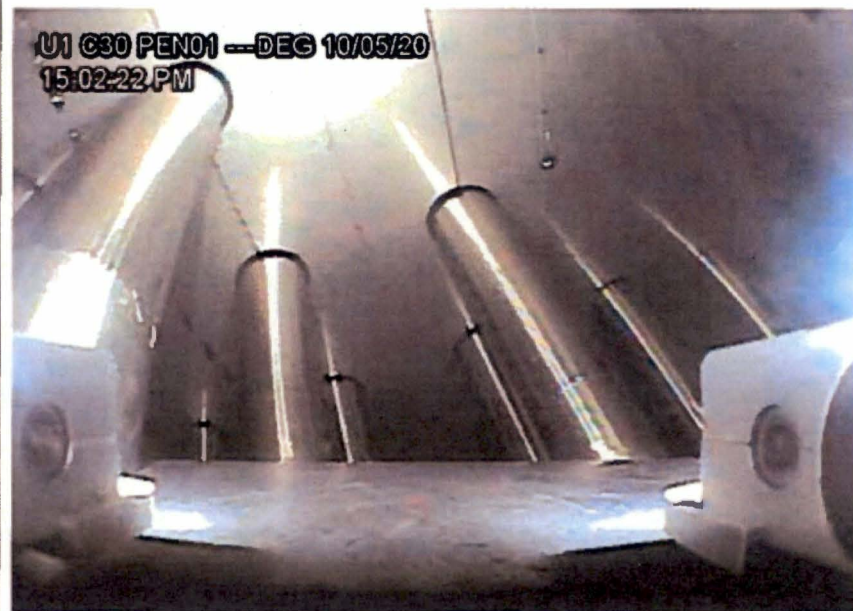


As Left Photo

U1C30 RVCH Inspection Photos RVCH Surfaces



As Found Photo



As Left Photo