

Acme Coke  
11236 S. Torrence Ave.  
Chicago IL 60617



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Suction Main Inspection

Dated: 1977



INTEROFFICE  
CORRESPONDENCE

Copies to:

Date: September 16, 1977

To: Mr. N. H. Keyser  
From: S. Falck-Pedersen  
Subject: Thermographic Survey Coke Plant  
Suction Main  
Reference: D8-022-009

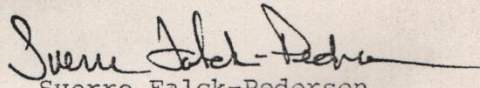
V. Beaucaire  
A. Cook  
G. Durkin  
D. Garthus  
J. Lee  
B. Mulligan

The weekly thermographic scan of the Coke Plant collecting main, crossovers, suction main and line F-2 to the tar decanters was performed on September 16, 1977.

The south collecting main had approximately 6 inches of deposit, which led to the south crossover having about 20% deposit. The suction main had a maximum of 15% buildup at the south end tapering to no bottom deposit to speak of at the north crossover. Line F-2 just had trace deposits at a few points in the line. There was, however, some buildup in the line at the tar decanters.

There was again substantial improvement over the previous week's survey and subsequent surveys will continue in the following weeks until notified by D. Garthus.

Thermographs and a diagram were left with D. Garthus.

  
Sverre Falck-Pedersen

SF-P/ey

N.H.K. SEP 19 1977



1977 INSPECTION OF 36" DIAMETER  
SUCTION MAIN IN COKE PLANT  
EXHAUSTER BUILDING

Chicago Plant  
Chicago, Illinois

EC-77-2205

By: P. Langenberg

Date: April 19, 1977

Approved: W. J. Hynes, S.E.  
Supervisor-Structural

Approved: T. R. Kinney, S.E.  
Chief Engineer-Design



### Purpose and Scope of Inspection

The inspection was made to find any defects and determine the extent of deterioration on the 36" suction main from the south end of the exhauster building to the entry to the exhauster building basement. (See Drawing C-012-I).

### Method of Inspection

The inspection was visual with thickness readings taken with a Krautkramer D-Meter thickness tester.

### Date of Inspection and Inspectors

The Inspection was made on March 25, 1977 by T. Gerringer and E. Filippo of Corporate Engineering.

### Plant Contact and Information

All plant information was provided by R. Martello of the Chicago Plant.

### Results of the Inspection

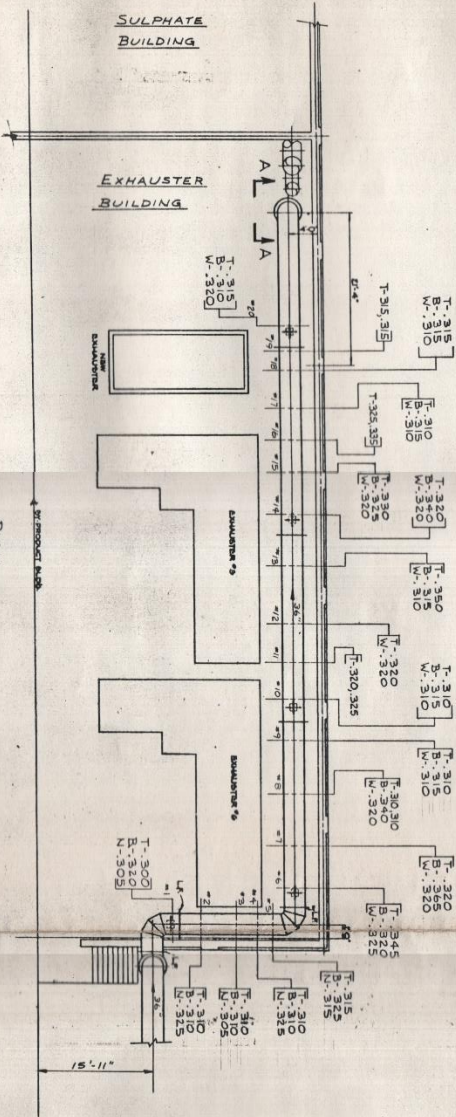
Basically the suction main is in very good condition. Only a few of the thickness readings taken registered below the original pipe thickness of 5/16", .3125 and 3/8", .375. Four wooden plugs were found and used to cover holes in the pipe, which are access for steam purging of the pipe line. A dent was noted on the west side of the pipe, near thickness reading #11, but is not serious. Some paint swelling was noted between readings 12 and 13 and 14 and 15. This condition should be repaired by scraping off the old paint and repainting to prevent any deterioration from occurring.

### Reference Drawing

C-012-I



NORTH



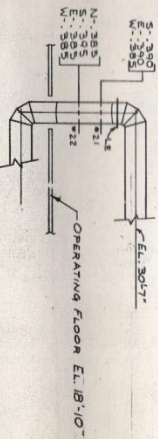
PLAN  
Suction Piping Above  
OPERATING FLOOR

NOTES:  
1. Wagon Plugs Were Found In  
The Top Of The Pipe At Readings  
8, 11, 16, & 19, (For Fire Stream Cleaning)  
2. A DECK WAS FOUND ON THE WEST  
SIDE OF THE PIPING ALONG THE WEST  
SIDE OF THE PLANT BUSTLING ON  
THE WEST SIDE OF PIPE BETWEEN  
READINGS 12 & 13 AND ON THE BOTTOM  
OF PIPE BETWEEN READINGS 14 & 15.

KEY:  
T - Top Side of Pipe  
B - Bottom  
S - South  
E - East  
W - West

ORIGINAL PIPE THICKNESS - 5/8" - 3/125"  
UNLESS OTHERWISE NOTED.

SECTION A-A



NOTE:  
ORIGINAL PIPE THICKNESS FOR  
READINGS # 21 & # 22 IS 3/8" - 3/125"

NO. 40007	WALBRUTE GAS DRIVING 14" EXHAUSTERS	SA 2
NO. 40006	REFERENCE DRAWINGS LISTED ABOVE	SM 1
INTERLAKE STEEL CORPORATION CHICAGO, ILLINOIS		
DR. P. C. A.	DATE: 4-19-77	SCALE: 3/8" = 1'-0"
CHICAGO COKE PLANT 1977 INSPECTION OF #36 SUCTON MAIN IN EXHAUSTER BUILDING C-0121		