

Acme Coke
11236 S. Torrence Ave.
Chicago IL 60617



acmecoke.com

Document archive

36" COG Main Inspection
Dated: 1977

Recovered from site on Feb 20 2021

INTEROFFICE
CORRESPONDENCE

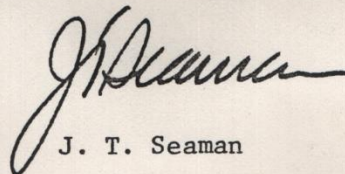
Copies to:

Date: April 20, 1977

J. L. Bitner
E. R. Benson
R. C. Rankin ✓

To: D. A. Masson
From: J. T. Seaman
Subject: EC-77-7111 - Inspection of 36"
Diameter COG Line
Reference: Your letter of 4/12/77

Please arrange to close the ER. The plant will arrange to replate 15 feet of main at each thin area now and purchase a section of pipe for the repair at the expansion joint for the future when the main is taken out of service. A band patch will be installed at the expansion joint until the main is shut down.



J. T. Seaman

JTS:jlb:eb

INTEROFFICE
CORRESPONDENCE

Copies to:

Date: April 12, 1977

To: J. L. Bitner

J. T. Seaman

From: D. A. Masson

Subject: EC-77-7111
"Inspection of 36" Diameter
COG Line .

Reference:

Attached find copies of the above subject inspection report. Note that there are three areas in need of repair. To repair the leak at the expansion joint will require the main to be taken out of service and purged. If you have any questions or require further assistance, please contact me.


D. A. Masson

DAM/vip

Enclosures

1977 INSPECTION OF 36" DIAMETER
COKE OVEN GAS LINE
BETWEEN FURNACE PLANT AND COKE PLANT
CHICAGO PLANT
CHICAGO, ILLINOIS

EC-77-7111

By: P. Langenberg

Date: March 25, 1977

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

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

Purpose and Scope of Inspection

The inspection was made to determine the extent of deterioration and the overall condition of the 36" dia. C.O.G. line that runs from the Coke Plant to the Furnace Plant. The inspection began inside the Coke Plant just south of the Coke Transfer House and ended on the northeast end of the suspension bridge, at the entry to the Furnace Plant.

Method of Inspection

The inspection was made using chipping hammers, wire brushes, and a Krautkramer D-Meter Thickness Tester.

Date of Inspection and Inspectors

The inspection was made between February 21, and March 2, 1977 by T. Gerringer and E. Helston of Corporate Engineering.

Plant Contact and Information

Plant information was provided by J. Bitner of the Chicago Plant.

Results of the Inspection

Three areas in need of repair were uncovered during the inspection. A leak was found at pipe support T-4 at the pipe connection to an expansion joint. The leak is located on the welded pipe seam on the north side of the pipe. (See Drawing C-003I). We recommend new section of pipe to be installed.

Two other areas were found to be worn extremely thin. One is located approximately 20 to 30 feet west of support B-6. The other is 5 to 10 feet east of support B-7. The welding of 3/8" plate to the worn areas is recommended.

The remainder of the pipe was found to be in good condition. The original thickness of the 36" diameter coke oven gas main was 5/16" (.3125).

Conclusion

Basically the 36" C.O.G. line is in good condition. The recommended repairs should be completed as soon as possible. Prints with all the thickness readings taken during the inspection are attached with this report.

Reference Drawings

Interlake: C001I
 thru
 C005I