

Acme Coke  
11236 S. Torrence Ave.  
Chicago IL 60617



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Thermographic Survey

Dated: 1978

*Recovered from site on Feb 20 2021*

INTEROFFICE  
CORRESPONDENCE

RECEIVED  
MAR 30 1978

Copies to:

Date: March 16, 1978

- V. Beaucaire
- A. Cook
- J. Lee
- J. Seaman

To: Mr. N. H. Keyser

From: Thermographic Survey's Chicago Coke Plant

Subject: D8-022-009

Reference:

RECEIVED  
MAR 30 1978  
R. E. NASLUND

A Thermographic survey of the Chicago Coke Plant was performed on March 8, 1978. The air temperature was about 25°F with winds up to 25 m.p.h. Areas included in the survey were the battery tops, lines to and in By-Products and all major switch gear.

The collection main showed only trace buildup at both batteries. The south crossover now has about 20% buildup in the center section while the north crossover is clean. The suction main has about 15% buildup from the southend to the battery office and then tapers rapidly to just traces at dripleg No. 2.

The coke oven gas line has indication of about 30% buildup just south of the Exhauster building to the primary coolers where it increases to about 60% to the elbow going east. It drops after the elbow to about 30% again then rises to about 80% at the liquor tanks, to the bend west of dripleg 5 where it drops again to about 20% and remains constant to dripleg 5. At dripleg 5 it begins to drop again then rises from about 30% east of the dripleg to no discernable temperature change over Torrence Avenue.

The scan over the electrical switchgear showed no change from the previous report. The few minor connections were noted by G. Lavery, who assisted in the survey.

Thermographs are attached and diagram attached.

The next survey is scheduled for May, 1978.

*J. Lee*  
*xtra copy:*  
*are you going to be*  
*ok at the 60% & 80%?*  
*Buildup area indicated*  
*on the sketch?*  
*[Signature]*

*[Signature]*  
 Sverre Falck-Pedersen

SF-P/mw  
 Attachment

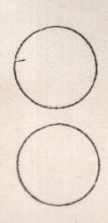


30%-40% BUILDUP

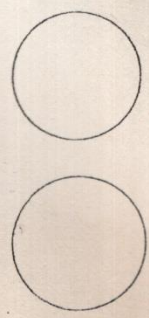
60% BUILDUP

30%-40% BUILDUP

EXHAUSTER BLDG



PRIMARY COOLERS



WEAK LIQUOR STORAGE TANKS

70%-80% BUILDUP

30%-40% BUILDUP

NORTH

CHICAGO CORE PLANT

CO<sub>2</sub> LINE MARCH 5, 1976

PIPES 5

20% BUILDUP GENERALLY INCREASING TO NO HEAT DISCERNIBLE OVER TORRENCE AVE

TORRENCE AVE

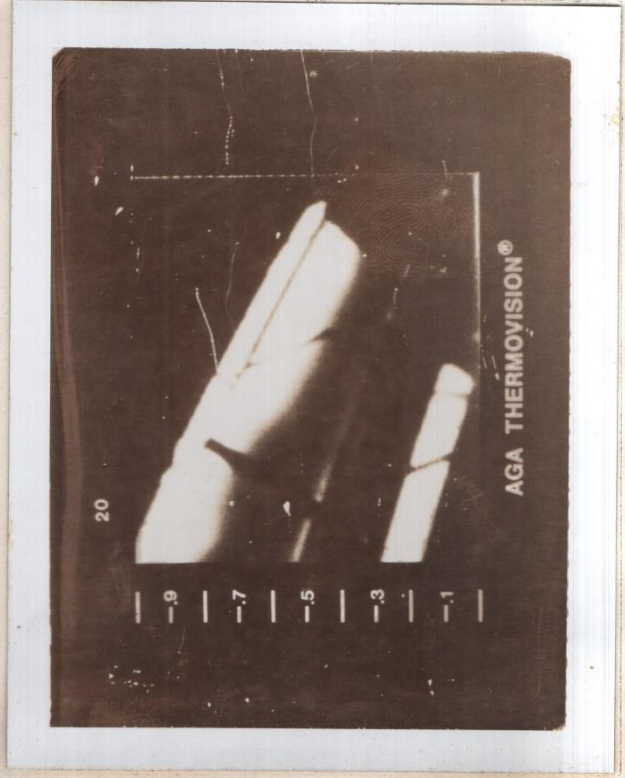




South Battery Cross Over 20% Buildup  
in Center Section



South End of Suction Main About 15% Buildup



Suction Main at Dripleg 1, Oven 56  
About 15% Buildup



Suction Main at the Battery Office About 15%  
Buildup.

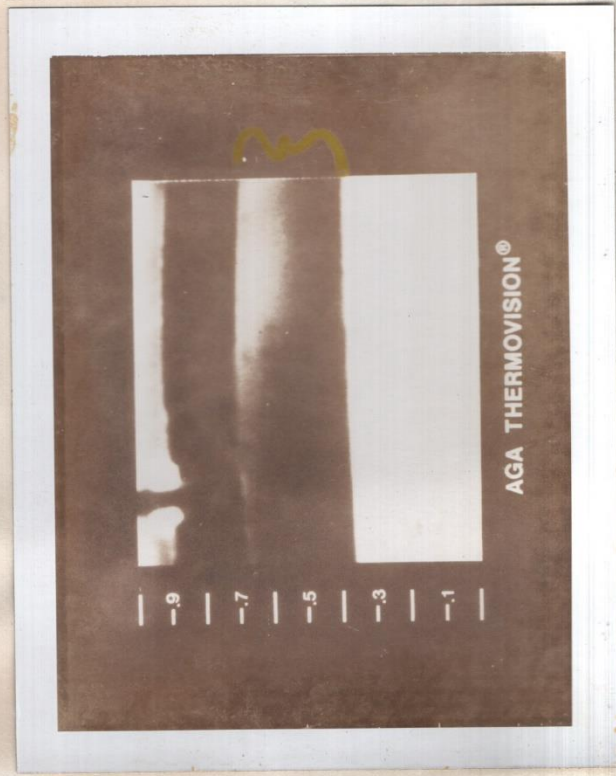




Suction Main at Dripleg 2, Level 20 has Tapered Down to Traces Only



Coke Oven Gas Line about 40% at Primary Coolers then Increases to about 60%



C.O.G. Line Left to Right East to West in Front of the Weak Liquor Storage Tanks



C.O.G. Line Elbow West of Dripleg 5 Left to Right East to West



COKE PLANT MARCH 8, 1978



C.O.G. Line at Dripleg 5  
About 40% Buildup West and  
30% East



C.O.G. Line Over Torrence Avenue  
Rapid Cooling, Clean Warm Areas  
Barely Discernable.