

MONTHLY REPORT OF PRODUCTS

Sep. 1946

Date. Oct. 10th, 1946

Name of Firm

TOHO GAS Co., Ltd.

Sakurada-cho, Atsuta-ku,
Nagoya.**Nagoya District**

Description	Quantities	Amount
Coal Gas	1,224,976 ^{m³}	¥ 930,981.76
Coke	2,416.999	" 1,186,357.25
Coal Tar No.1	118.704	" 65,880.72
Creosote Oil	53.945	" 53,945.00
Motor Benzol	.106	" 554.38
Crude Benzol No.1	.828	" 4,330.44
" " No.2	.500	" 2,615.00
Crude Naphthalin No.2	3.450	" 15,059.25
Pitch	108.800	" 54,400.00
Ammonium Sulphate	18.540	" 31,946.48

Ichinomiya Plant

Coal Gas	26,257 ^{m³}	¥ 18,379.90
Coke	33.8224	" 19,103.80
Coal Tar No.1	2.546	" 1,413.03

Handa Plant

Coal Gas	33,188 ^{m³}	¥ 23,231.60
Coke	39.4830	" 24,256.47
Coal Tar No.1	3.068	" 1,702.74

Managing Director

S. Tanaka

MONTHLY REPORT OF PRODUCTS

Aug. 1946

Date, Sept. 10th, 1946

Name of Reporter

TOHO GAS Co., Ltd.

Sakurada-cho, Atsutaku, Nagoya.

Nagoya Plants

<u>Description</u>	<u>Quantities</u>	<u>Amount</u>
Coal Gas	1,248,566 ^{m³}	¥ 948,910.16
Coke	2,475 [†] 011	1,378,431.20
Ammonium Sulphate	20 [†] 280	34,893.00
Pure Benzol	"380	2,622.00
Motor Benzol	"450	2,353.50
Crude Benzol No.1	1.138	5,951.74
" " No.2	1.042	5,449.66
Coal Tar No.1	116 [†] 031	64,397.20
" " No.2	12 [†] 600	6,363.00
Solvent Naphtha	"350	1,739.50
Pitch	62.800	31,400.00
Creosote Oil	29 [†] 900	29,900.00
Cresol for Industrial Use	2.800	23,520.00
Refined Naphthalin	1 [†] 630	7,114.95
Crude Naphthalin No.1	1 [†] 482	2,223.00
" " No.2	2 [†] 770	2,770.00

Ichinomiya Plant

Coal Gas	35,328 ^{m³}	¥ 24,729.60
Coke	39 [†] 573	24,099.96
Coal Tar No.1	3.045	1,689.98

Handa Plant

Coal Gas	27,589 ^{m³}	19,312.30
Coke	34 [†] 151	19,636.83
Coal Tar No.1	2.631	1,460.21

President



MONTHLY REPORT OF PRODUCTS

July Aug. 1946

TOHO GAS Co., Ltd.

60 Sakurada-cho, Atsuta-ku, Nagoya.

Date 10th Aug. 1946

Nagoya District

Description	Quantities	Amount
Gas (Coal Gas)	1,621,800 ^{m³}	¥1,232,568.00
Coke	2,735.204	1,237,679.81
Coal Tar No. 1	147.781	82,018.46
" No. 2	10,400	5,252.00
Creosote Oil	62.928	62,928.00
Extracted Oil	6.900	36,087.00
Motor Benzol	.450	2,353.50
Crude Benzol No. 1	.670	3,504.10
" No. 2	.770	4,027.10
Cresol for industrial use	1.213	10,189.20
Crude Naphthalin No. 1	6,000	9,000.00
" No. 2	5,014	5,014.00
Refined Naphthalin	2,730	11,916.45
Pitch	110,880	55,440.00
Ammonium Sulphate	11,400	19,617.62

Ichinomiya Plant

Gas (Coal Gas)	31,928 ^{m³}	¥22,349.60
Coke	39.748	22,855.10
Coal Tar No. 1	3.052	1,693.86

Handa Plant

Gas (Coal Gas)	41,106 ^{m³}	¥28,774.20
Coke	46.079	28,062.11
Coal Tar No. 1	3.545	1,967.48

HEADQUARTERS
30TH MILITARY GOVERNMENT
APO 710 (Nagoya, Honshu)

14 June 1946

SUBJECT: Permission to Operate
THROUGH: The Japanese Liaison Office, Nagoya
TO : Toho Gas Co., Ltd., 60 Sakurada-cho,
Atsuta-ku, Nagoya

1. This letter will constitute your permission to continue to operate as described in the attached application. Any changes made in products will be reported immediately to this headquarters.

2. It is understood that this permission to operate is issued subject to any and all directives which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this headquarters and does not constitute assurance that this plant will not be subject to reparations in the future.

FOR THE COMMANDING OFFICER:

Incl: 1 application

WALLACE H. O'REILLY
Capt CAG
Adjutant

Special No. of Report

APPLICATION FOR OPERATION OF
AND
REPORT ON INDUSTRIAL FACILITIES

TO: _____

THRU: _____

Name and Address of Reporting Unit

Date. June 1, 1946.

1, Name of Facility TOHO GAS Co., Ltd.

2, Location 60 Sakurada-cho, Atsuta-ku, Nagoya.

3, Name of President or Manager Nobuo Tsuru (President)

4, History

a, Date of construction June, 1922

b, Date of first operation June, 1922

c, 1935-1941 Production (Annual value in Yen : quantities of principal production by units or weights)

Mentioned in the additional sheet No. 1

d, Present capitalization of ¥24,275,000
in Yen

e, Change made in capital structure since 1935

Capital----- All paid up on Oct. 1944

Bond----- 1936-1946 ¥3,880,000 repaid up

Present amount ¥2,620,000

f, Name and address of parent company Not applicable

g, Number of share outstanding 485,000

h. Number of stockholders (Give name of those owing 10% or more of total)

I Tokyo Gas Co., Ltd.

i. Funds received from Government (Bounties, subsidies, etc.)

Not applicable

j. On a separate sheet give outline sketch of plant, layout with approximate dimentions.

See the additional sheet No. 2 & 3

5. Description

a. Principal Products

1. Wartime	Coal gas, Coke, Coal tar, Ammonium sulphate.
2. At present	" " " "
Planned for	
3. 1946-47	" " " "

b. Capacity (per day)

Coal gas, Coke, Coal tar, Ammonium sulphate.

1. Wartime	480,000 ^{m3}	850 ^t	58 ^t	11 ^t
2. At present	150,000	255	18	4
3. 1946-47	438,000	776	53	10

(With unrestricted access to materials)

c. Number of Employees

1. Wartime	591
2. At present	412
3. 1946-47	620

(At maximum capacity.)

6.

Machinery & Equipment in Plant

Description	Quantities	Condition
<u>Sakurada Works</u>		
Horizontal retort bench	49 benches	13 under repair 8 under construction
Chamber oven	8 "	5 under repair
Gas purifying and pumping apparatus	5 sets	1 under construction
Gas holder	3	
Gas compressor	4	

Kanagawa Works

Otto's Coke oven	40 chambers	under repair
Producer gas plant	2 sets	"
Gas purifying and pumping apparatus	2 "	"
Gas holder	2	
Gas compressor	4	

North Holder Station

Gas holder	I
Gas compressor	I

7. Present stocks of Raw Materials, Supplies and Unfinished Goods (End of April)

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Coal	1,174 ^t	raw material
Light oil	1"	unfinished
Crude Naphthalene	32"	"
Tar oil	138"	"
Pitch	313"	"

8. Present stocks of Finished Goods (End of April)

<u>Description</u>	<u>Quantity</u>	<u>Condition</u>
Coal gas	101,890 ^{m3}	finished
Coke	32 ^t	"
Coal tar	775"	"
Ammonium Sulphate	10"	"
Naphthalene	3"	"

9. Present stocks of Fuel No stock

10. Machinery & Equipment needed for maximum production 1946-47

<u>Description</u>	<u>Quantity</u>
Horizontal retort bench	41 benches
Otto's Coke oven	40 chambers
Producer gas plant	2 sets
Gas purifying and pumping apparatus	6 "
Gas holder	6
Gas compressor	9

II, Raw materials & supplies-needed (monthly)

a, For Present Capacity (5b2 above)

<u>Description</u>	<u>Quantity</u>
Coal	10,900 ^t
Sulpheric acid	150"

b, For Maximum (5b3 above)

Coal	31,770 ^t
Sulpheric acid	360"

I2, Fuel needed (monthly) (Do not include present stocks)

<u>Description</u>	<u>Quantity</u>
Coke	1,416 ^t
Coal for boilers	240"

I3, Additional Personnel needed (Not locally availables)

<u>Special Skills</u>	<u>Number</u>
Lead welding workers	3
Iron repairing workers	14

I4, Prices (Give Current selling prices in Yen of principal products)

<u>Description</u>	<u>unit price</u>
Coal gas	1 ^{m3} ¥.76
Coke	1 ^t 629.50
Coal tar	1" 675.00
Ammonium Sulphate	1 ^{package} (45kg) 77.54

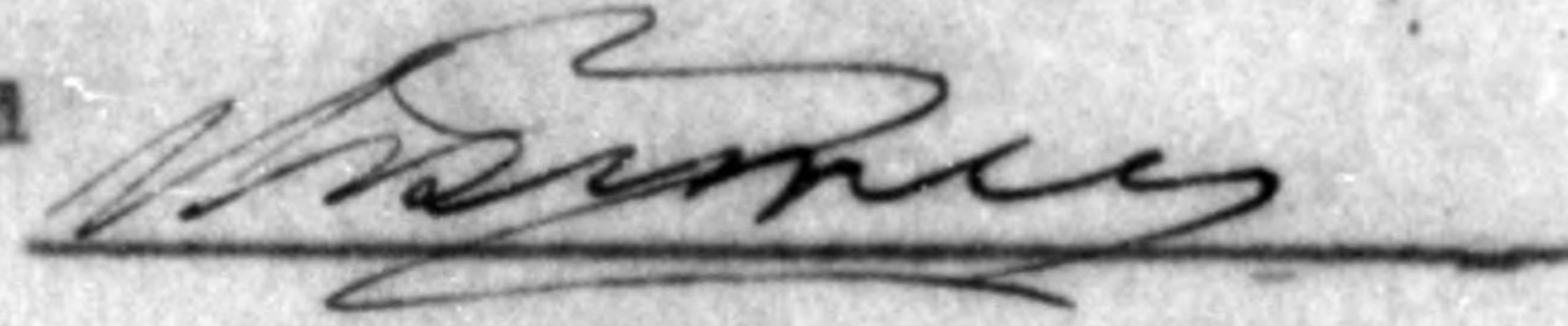
I5, Remarks (Include here any factors hampering production not already mentioned and any recommendations you consider necessary)

- a, Shortage of funds, necessary for repairing and reconstruction apparatus in the plants.
- b, Severe lack of coal, as raw material of the industry.
- c, Hard of obtaining materials and supplies needed for the works, especially wood, cement, fire-brick, etc.

16, Certification by applicant

I certify that the information contained herein is true
to the best of my knowledge and belief.
I am authorized to sign for the above company.

Signed

A handwritten signature in dark ink, appearing to be "W. J. ...", written over a horizontal line.

Title President

Additional sheet No. I

4 c

1935-1941 Production (Annual value in Yen: Quantity

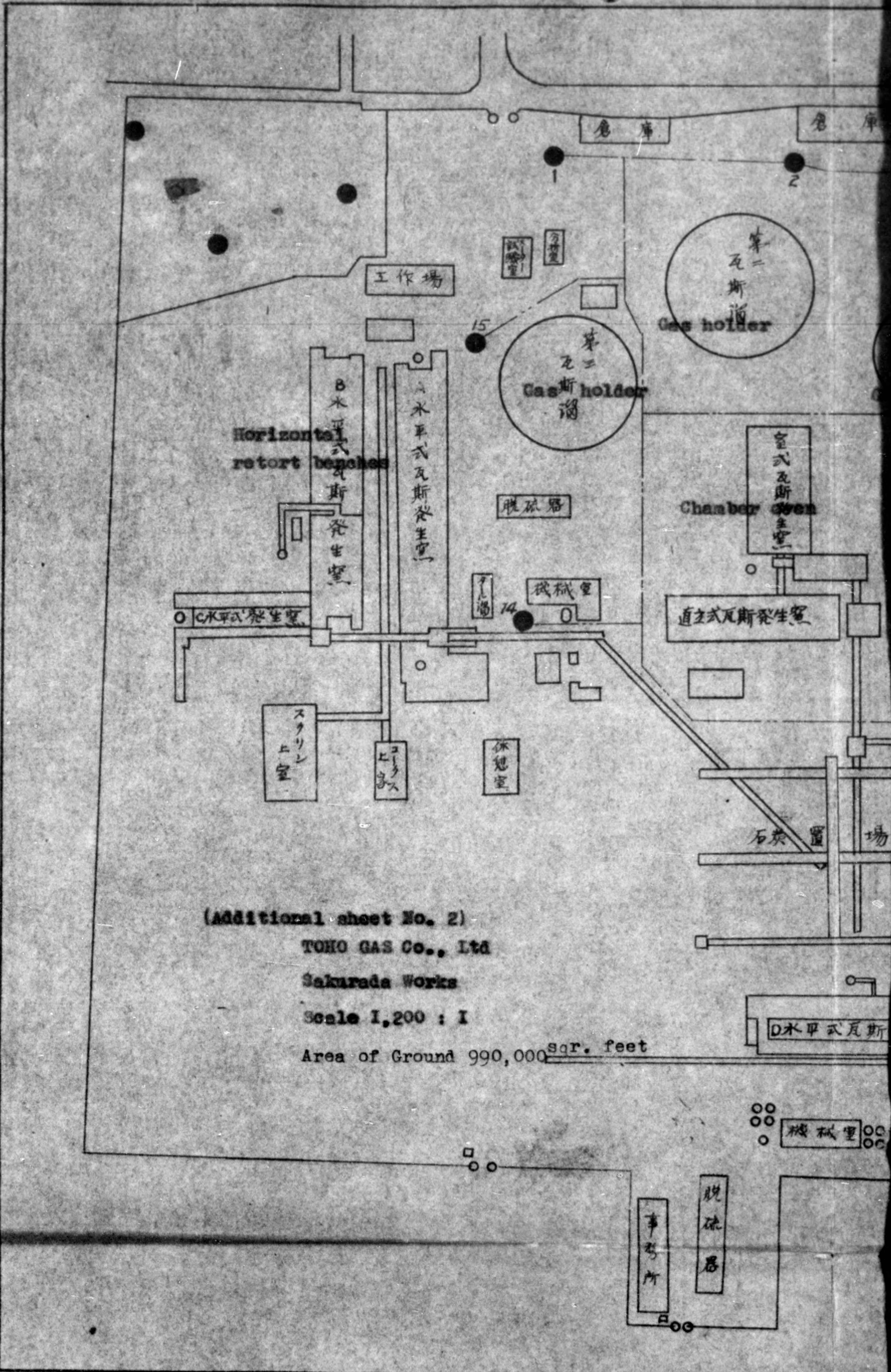
	COAL GAS		COKE	
	value	quantity	value	quantity
1935	¥3,062,813	32,543,958 ^{m3}	¥1,525,502	43,191 ^t
1936	3,172,317	33,976,989	1,483,683	48,430
1937	3,568,180	38,669,516	1,883,514	51,383
1938	4,832,346	55,144,376	3,812,263	70,206
1939	5,761,225	68,064,018	4,709,942	87,123
1940	6,841,472	83,314,975	5,953,446	115,918
1941	8,141,522	101,594,627	7,017,928	132,332

(These figures indicate the produ

total value in Yen: Quantities of principal products by units or weight)

COKE		COAL TAR		AMMONIUM SULPHATE	
value	quantity	value	quantity	value	quantity
525,502	43,191 ^t	¥146,739	4,256 ^t	¥76,603	736 ^t
483,683	48,430	165,434	4,344	60,866	765
883,514	51,383	208,899	5,079	78,101	874
812,263	70,206	414,932	7,464	100,385	1,146
709,942	87,123	473,847	8,653	123,291	1,420
953,446	115,918	533,912	9,774	164,375	1,727
1,017,928	132,332	690,022	11,655	229,044	2,179

figures indicate the products of two works in (Nagoya)



(Additional sheet No. 2)

TOHO GAS Co., Ltd

Sakurada Works

Scale 1,200 : 1

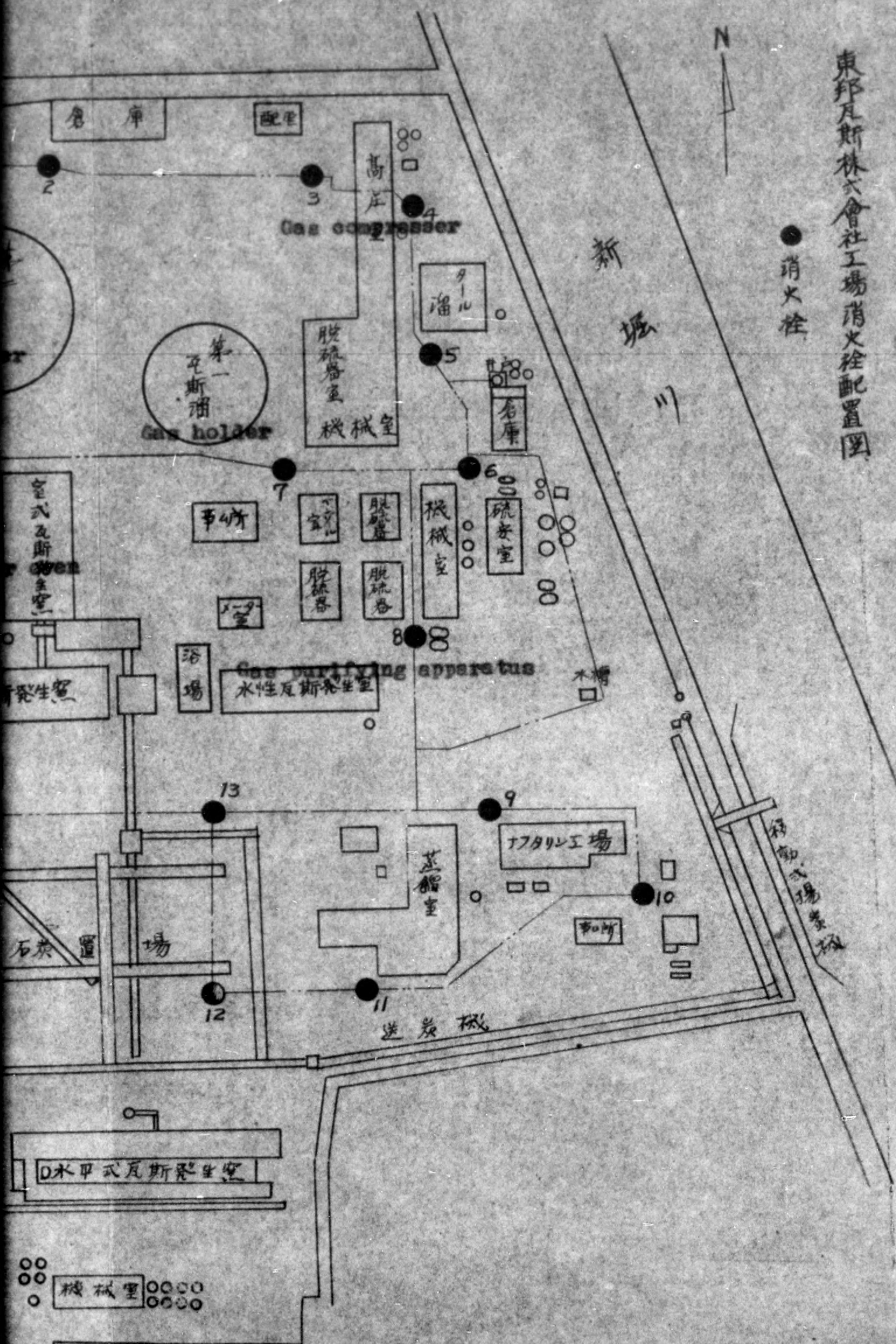
Area of Ground 990,000 sq. feet

D 水平式瓦斯

機械室

事務所
脱硫器

東邦瓦斯株式会社工場消火栓配置圖



● 消火栓

新堀川

新堀川

第一瓦斯溜
Gas holder

高圧
Gas compressor

脱硫器室
機械室

溜

倉庫

事務所

室

脱硫器

機械室

硫黄室

室

Gas purifying apparatus
水性瓦斯發生室

浴場

水槽

13

9

ナフタリン工場

蒸餾室

事務所

10

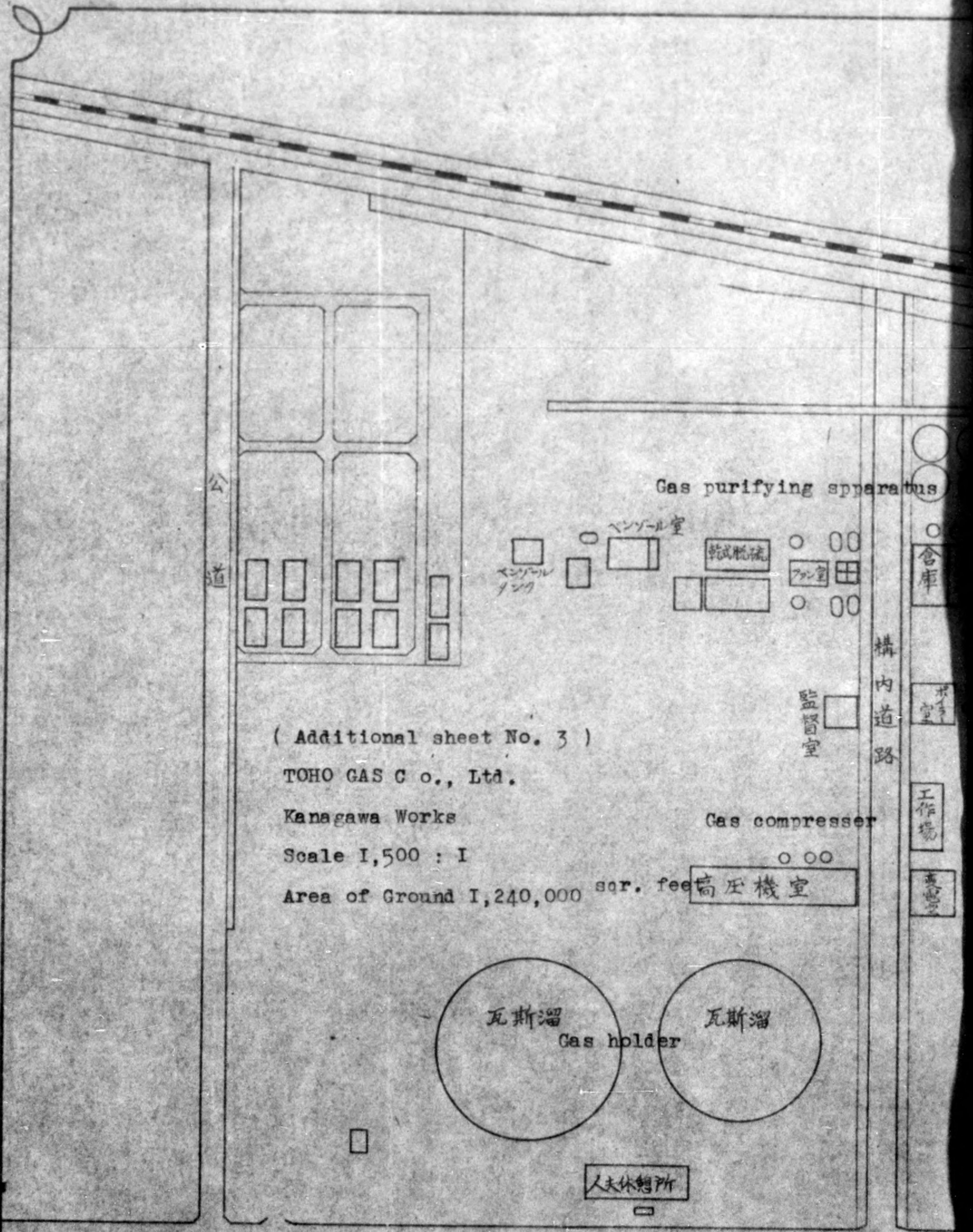
石炭置場

12

送炭機

0水甲式瓦斯發生室

機械室



(Additional sheet No. 3)

TOHO GAS Co., Ltd.

Kanagawa Works

Scale 1,500 : 1

Area of Ground 1,240,000 sq. feet

Gas purifying apparatus

ベンゾール室

乾式脱硫

〇 〇〇

ファン室

〇 〇〇

監督室

Gas compressor

〇 〇〇

高圧機室

瓦斯溜

Gas holder

瓦斯溜

人夫休憩所

構内道路

倉庫

ボイラ室

工場

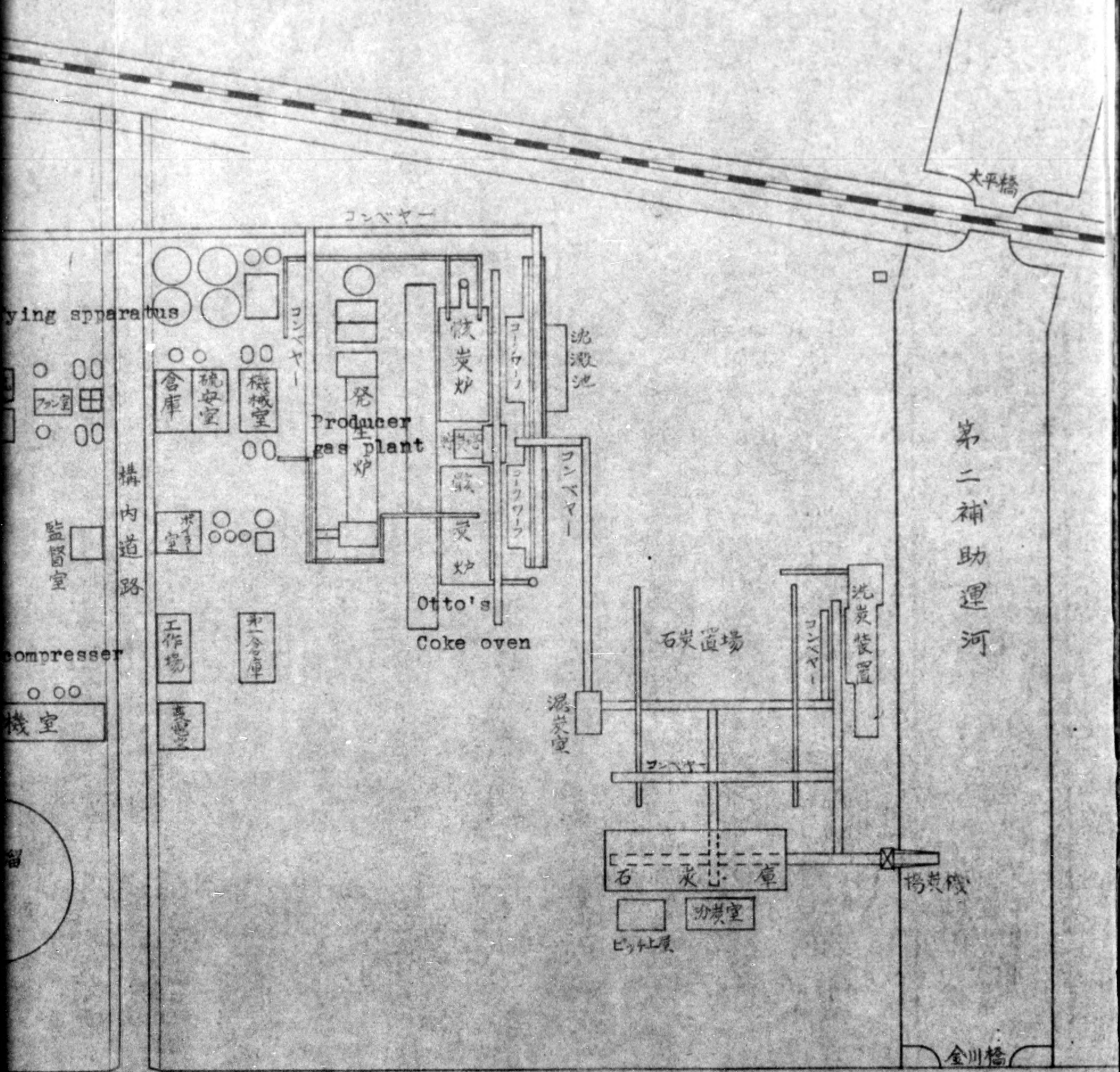
変電室

道

倉庫

貯揚場

中川



rying apparatus

compressor

Producer gas plant

Otto's
Coke oven

石炭置場

石炭倉庫

機室

ピツ社屋

第二補助運河

構内道路

道路

倉庫敷地

貯揚場敷地

中川運河

大平橋

金川橋

コンベヤー

コンベヤー

沈澱池

炭

炭

濕炭室

洗炭装置

コンベヤー

揚炭機

監督室

機室

留

倉庫
機室
機室

ボイラ

工場
第一倉庫

機室

26 March 1946

CONFIDENTIAL

JP/NAG/#1759

MITSUI Sumiko
 Takenaka Architectural
 Works Foundation of Tobo
 Gas Co., Ltd. No. 60
 Sakurada-cho, Nagoya (Japan)

TAGUCHI Fukusei
 Hama, Arikawa-cho, Minami-
 matsunra-gun, Nagasaki Pref.
 (Japan)

24 Mar. 46

Japanese

None

Letter

J-489

None

P

INDUSTRY: CONSTRUCTION OF TOBO GAS DELAYED DUE TO SHORTAGE
 OF MATERIALS

Writer states:

" The construction of ^HTobo Gas Company (Tobo Gas
 Kaisha) will take 2 years, because the architect is very
 troubled by the shortage of materials.

The place of this construction is as follows:

No. 60, Sakurada-cho, Atsuta-ku, Nagoya."

CONFIDENTIAL

30th MG

25th DIV.G-2
 Ind. Sect.

Chief manager of Sales Dept.,
Seisi Hada,

Toho Gas Co. Ltd.
Tel. ⊕ 2049. ~~(1111)~~

東邦瓦斯株式会社

業務部長

泰

誠

之

本社 名古屋市熱田區種田町六〇番地
業務部 名古屋市熱田區種田町四ノ六
電話①二〇四九番、三〇七九番

Chemical
(Type of Industry)

File No. _____

Sakurada Works of Toho Gas Co. Ltd. President Nobuo Tsuru.
(Name of Industry)

Headquarters
25th Infantry Division, APO25
Office of the AC of S, G-2

INDUSTRIAL SURVEY QUESTIONNAIRE

1. Date of Inspection _____ Serial Number of Installation _____

2. Inspecting Officer: _____

3. Address. 60 Sakurada-cho, Atsutaku Nagoya
(Name, Rank, Unit)

4. Coordinate Location: _____

5. History and Capital Structure: _____

a. Date of Construction: June 1922

b. Date of First Operation: June 1922

c. 1935-1941 Production (Annual value in Yen; quantities of principal products by unit or weight) Unit 10,000 m³ ¥10,000

	1935	1936	1937	1938	1939	1940	1941
Coal gas Quantity	3798	3966	4513	6436	7944	4770	6985
Value	306	317	357	483	576	336	480

d. Present Capitalization in Yen Capital ¥24,275,000 Loan ¥17,917,401

e. Changes in Capital Structure since 1935: _____

Capital ----- All paid up on Oct. 1944

Bond ----- 1935-1945 ¥3,710,000 repaid up, present amount ¥2790,000

f. Name and address of parent company: _____

g. Number of shares outstanding: 485,500

h. Value of each share: ¥50

i. Number of stock holders (Name of each individual owning more than 10% of total stocks) _____

Tokyo Gas Co. Ltd.

j. Funds received from Government (Bounties, subsidies, etc) _____

6. General Description:

a. Principal Products:

(1) Wartime: Coal gas & other

(2) Present: " "

(3) Planned for 1946-1947: " "

b. Capacity:

(1) Wartime: 230,000 m3/day

(2) Present: 150,000 m3/day

(3) Planned for 1946-1947: 243,000 m3/day

c. Number of Employees:

(1) Wartime: 591

(2) Present: 414

(3) Planned for 1946-1947: 620

7. Machinery and Equipment in Plant at Present:

Description	Quantity	Condition
Horizontal retort bench	49 bench	21 under repair 8 under construction
Chamber oven	8 "	5 under repair
Gas purifing and pumping Apparatus	5 sets	1 under construction
Gas holder	3	
Gas compressor	4	

8. Present stocks of raw materiels, supplies and unfinished products:

Description	Quantity	Condition
Coal	167 ton	raw
Light oil	1 ton	unfinished
Crude naphthalene	21 ton	"
Tar oil	174 ton	"
Picth	442 ton	"

9. Present stocks of finished products:

Description	Quantity	Condition
Gas	130,230 m3	
Coke	122 ton	
Tar	614 "	
Sulphate Ammonia	4 "	
Naphthalene	6 "	

10. Present stocks of Fuel:

<u>Description</u>	<u>Quantity</u>
Coke	no stock (self-product)
Coal (boiler)	" " "

11. Machinery and equipment needed for maximum civilian production(1946-1947)

<u>Description</u>	<u>Quantity</u>
Horizontal retort bench	27 benches
Chamber oven	8 "
Gas purifing and pumping Apparatus	3 sets
Gas holder	3
Gas compressor	4

12. Raw materiels and supplies needed monthly:

a. For present capacity (6b2):

<u>Description</u>	<u>Quantity</u>
Coal	240 ton/day
Sulphwic acid /	2.5 ton/month
Caustic soda	1 ton/month
Soda ash	4 ton/month

b. For maximum capacity (6b3):

<u>Description</u>	<u>Quantity</u>
Coal	470 ton/day
Sulphwic acid	5 ton/month
Coustic soda	2 ton/month
Soda ash	8 ton/month

13. Fuel needed monthly (Do not include present stocks):

<u>Description</u>	<u>Quantity</u>
Coke	2900 ton/month
Coal (boiler)	250 ton/month

14. Additional personnel required (not locally available):

<u>Special Skills</u>	<u>Number</u>
Lead welding worker	2
Iron repairing worker	7

15. Prices (current selling price in yen of principal products):

<u>Description</u>	<u>Unit</u>	<u>Price</u>
Coal gas	1 m ³	¥0.14
Gas coke	1 ton	¥213.90
Tar	1 ton	¥ 85.00

16. Estimate of Damage suffered:

a. Structural

(1) Percent totally destroyed: 28%

(2) Percent Damaged: 11%

(3) Percent Undamaged: 61%

b. Machinery and equipment:

(1) Percent totally destroyed: 0.5%

(2) Percent Damaged: 1.6%

(3) Percent Undamaged: 97.9%

Recovery of both plants -
since Air raids -

April/9/46

102,000 pre-war - houses supplied
40,000 now being standing which
were formerly supplied -
now - 23,000 being supplied with gas -
coal consumption 10% of war time.

-4-

3 hrs a day gas supplied -
attempt being made to entirely reconstruct.

17. Space below will be used for outline sketch of plant layout showing approximate dimensions:

