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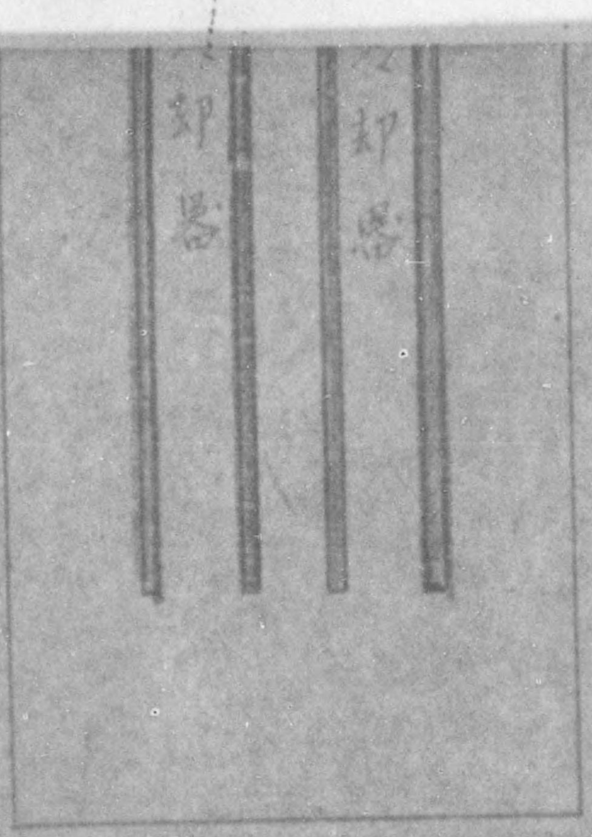

液体塩素設備圖

Arrangemenet of Liquid Chlorine Equipment

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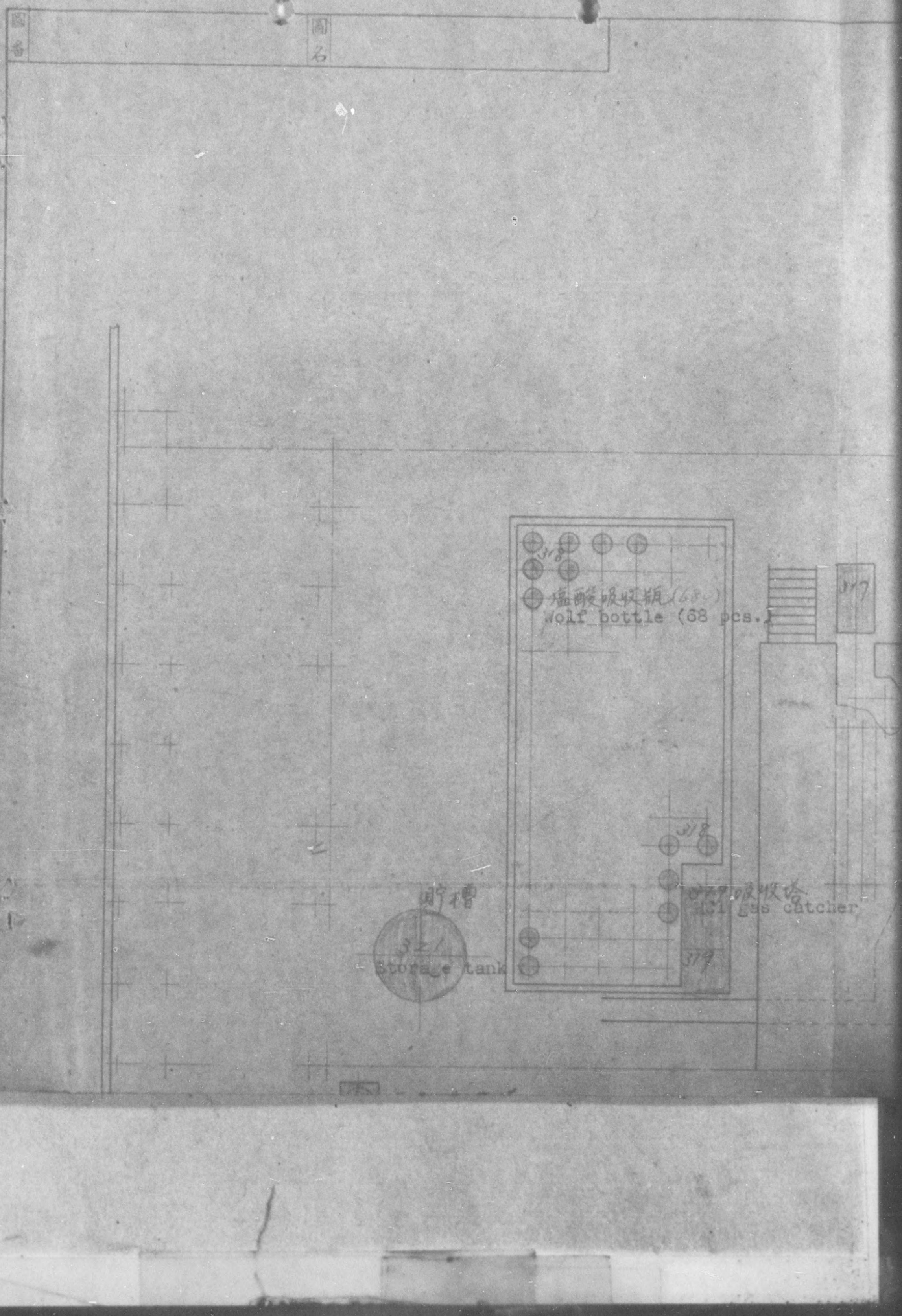

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Hydrogen gas oven
水素炉
317
317
貯蔵槽
321
Storage tank
Charcoal oven
木炭炉
316
316

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Charcoal oven
木炭炉

Water tank
水槽

給水ポンプ
Water feed pump

III B2 B-52

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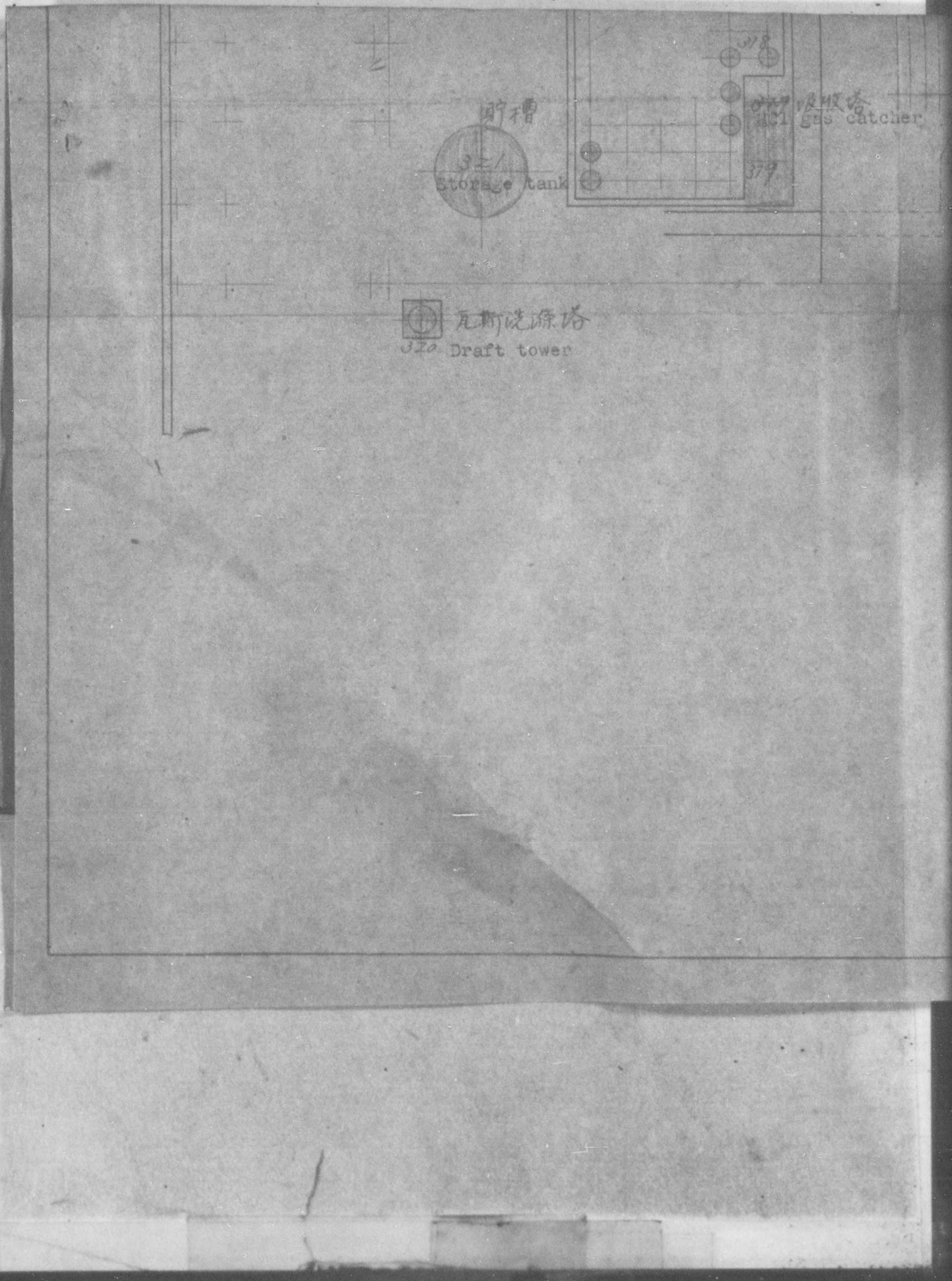

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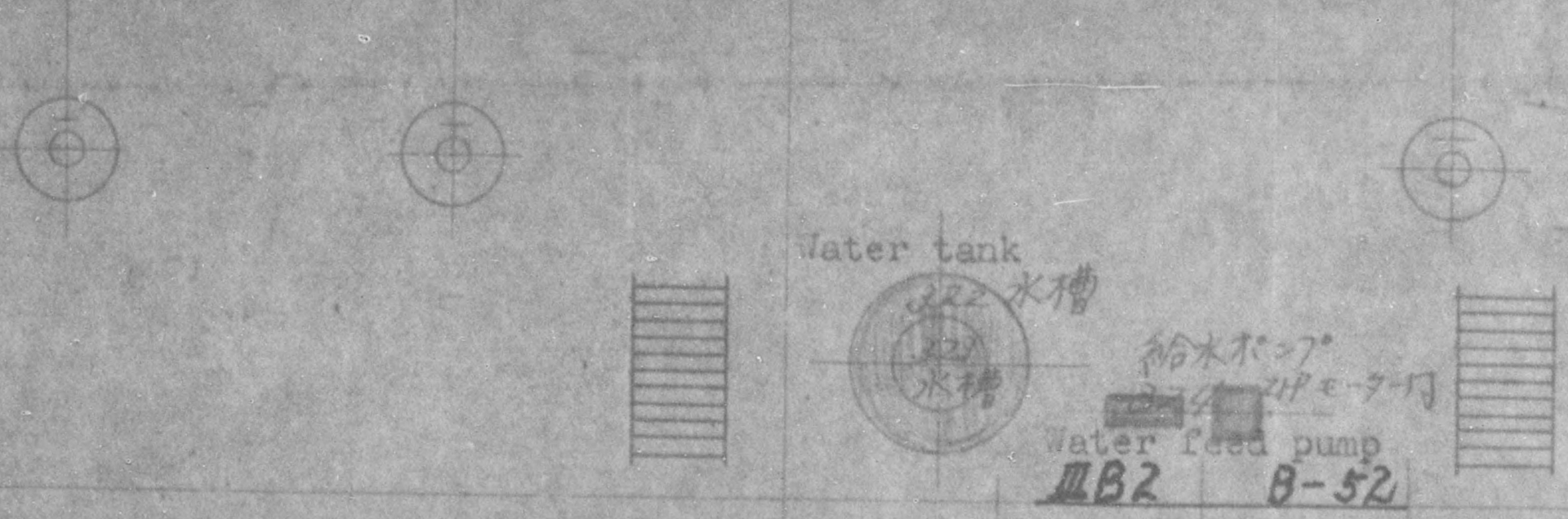
Storage tank

N

部分	部　分　名
	北海曹達伏木
製図	Arrangeme Hydrochlo
製図名	塩酸工場機

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013



部分	部分名称	材質	数/台	工程	本型	重量	

北海曹達伏木工場	設計		製図		写図		登簿		
形式十A 図名	Arrangement of Hydrochloric Acid Equipment 塩酸工場機械配置図							図番	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Application for Conversion of
and
Report of Industrial Facilities

To: Eighth Army

Thru: Military Government Company

Name and Address of Reporting Unit:

Ton Gosei Kagaku Kogyo Kabushiki Kaisha
Fushiki Kojo

No.90, Shinshima Fushiki, Takaoka-shi,
Toyama-ken.

Date: 20th August 1946.

1. Name of Facility:

Ton-Gosei-Kagaku-Kogyo Kabushiki Kaisha
Fushiki Kojo.

2. Location:

No.90, Shinshima Fushiki, Takaoka-shi,
Toyama-ken.

3. Name of president of manager: Kozo Hashimoto

4. History:

(a) Date of construction: April 1918

(b) Date of first operation: Nov. 1919

(c) 1935 - 1941 Production

Year	Name of Principal products	Quantity (metric ton)	Value in Yen
1935	Caustic soda	4,026	¥[illegible],277
	Metalic soda	468	¥[illegible],186
	Bleaching powder	4,268	¥[illegible],221
	Liquid chlorine	161	¥[illegible],151
	Hydrochloric acid	451	¥[illegible],232
	Ammonium chloride	2,788	¥[illegible],969
	Total		¥[illegible],336

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Year	Name of Principal products	Quantity (metric ton)	Value in Yen
1936	Caustic soda	10,817	1,948,910
	Metallic soda	752	658,252
	Bleaching powder	712	52,985
	Liquid chlorine	858	77,479
	Synthetic ammonia	843	172,422
	Hydrochloric acid	267	23,657
	Ammonium chloride	3,894	636,804
	Trichlorethylene	1,037	252,858
	Sodium chlorate	324	133,624
	Ammonium perchlorate	172	139,940
	Sodium hypochlorite	267	31,617
	Total		4,452,251
1937	Caustic soda	12,706	2,485,569
	Metallic soda	607	547,023
	Bleaching powder	1,252	209,608
	Liquid chlorine	1,047	115,266
	Synthetic ammonia	977	190,328
	Hydrochloric acid	1,477	82,726
	Ammonium chloride	4,389	807,822
	Trichlorethylene	721	248,744
	Sodium chlorate	213	85,292
	Ammonium perchlorate	43	36,224
	Sodium hypochlorite	368	36,801
	Zinc chloride	22	7,909
	Total		5,151,672
1938	Caustic soda	11,301	2,432,172
	Metallic soda	947	492,645
	Potassium hydroxide	39	28,506
	Bleaching powder	2,071	212,171
	Liquid chlorine	1,171	152,314
	Synthetic ammonia	850	152,498
	Hydrochloric acid	1,313	118,629
	Ammonium chloride	3,773	661,156
	Trichlorethylene	1,209	447,657
	Benzohlorethene	249	129,602
	Sodium chlorate	113	91,210
	Ammonium perchlorate	3	7,512
	Sodium hypochlorite	64	8,010
	Zinc chloride	10	3,646
	Total		5,020,931

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Year	Name of principal products	Quantity (metric ton)	Value in Yen
1939	Caustic soda	8,334	1,566,138
	Metallic soda	748	418,809
	Sodium cyanide	47	49,560
	Potassium hydroxide	169	101,538
	Bleaching powder	1,818	149,152
	Liquid chlorine	1,825	169,794
	Synthetic ammonia	953	258,698
	Hydrochloric acid	1,114	70,206
	Ammonium chloride	4,165	978,538
	Trichloroethylene	2,281	910,931
	Perchloroethane	172	164,639
	Sodium chlorate	15	8,640
	Sodium hypochlorite	11	5,572
	Total		5,277,905
1940	Caustic soda	7,972	2,185,486
	Metallic soda	370	654,824
	Sodium cyanide	372	423,743
	Potassium hydroxide	155	155,196
	Bleaching powder	1,787	171,218
	Liquid chlorine	1,175	222,965
	Synthetic ammonia	750	232,711
	Hydrochloric acid	615	45,648
	Ammonium chloride	3,473	675,427
	Trichloroethylene	2,196	894,275
	Perchloroethane	284	280,682
	Sodium chlorate	4	1,935
	Total		6,174,646
1941	Caustic soda	6,871	1,900,735
	Metallic soda	370	691,689
	Sodium cyanide	375	476,365
	Potassium hydroxide	147	186,165
	Bleaching powder	984	92,740
	Liquid chlorine	716	139,292
	Sodium chlorate	42	17,922
	Synthetic ammonia	677	215,151
	Hydrochloric acid	455	14,308
	Ammonium chloride	2,971	661,648
	Trichloroethylene	2,781	1,202,209
	Hexachloroethane	341	455,771
	Total		6,254,378

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

(d) Present capitalization in yen

¥40,880,000.-

(e) Changes made in capital structure since 1935

1935: ¥ 6,000,000.- (Hokkai Soda Co.,Ltd.)

July 1944: ¥40,880,000.- (Toa Gosei Kagaku Kogyo Co.,Ltd)

Note: Yahagi Kogyo Co., Ltd.
Showa Soda Co., Ltd.
Hokkai Soda Co., Ltd.
Rayon Soda Co., Ltd.

Four corporations combined, and new corporation established.

(f) Name and address of parent company: None

(g) Number of shares outstanding: 817,600

(h) Number of stockholders: 9,832

Name of those owing 10% or more of the total
Mitsui Kagaku Kogyo Kabushiki Kaisha (24.5%)

(i) Funds received from government

Raw salt production plant for self-supply,
¥ 300,000.00 received.

(j) On reverse side give outline sketch of plant layout with approximate dimensions.

Adding the Illustration

5. Description

(a) Principal products

1. Marine

Caustic soda	Hydrochloric acid
Potassium hydroxide	Ammonium chloride
Metalic soda	Trichlorethylene
Sodium cyanide	Perchlorethene
Bleaching powder	Active carbon
Liquid chlorine	Sodium chloride
Synthetic ammonia	Sodium ferrocyanide

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

2. At present

Caustic soda	Ammonium chloride
Potassium hydroxide	Trichlorethylene
Sodium cyanide	Medicinal charcoal
Bleaching powder	Raw salt production for self-supply
Synthetic ammonia	Amino acid condiment
Hydrochloric acid	

3. Planned for 1946-1947

Caustic soda	Hydrochloric acid
Potassium hydroxide	Ammonium chloride
Metallic soda	Trichlorethylene
Sodium cyanide	Medicinal charcoal
Bleaching powder	Raw salt production for self-supply
Liquid chlorine	Amino acid condiment
Synthetic ammonia	

(c) Capacity

1. War time

Name of products	Capacity in month (kgs.)
Caustic soda	513,500
Potassium hydroxide	19,800
Metallic soda	46,000
Sodium cyanide	23,900
Bleaching powder	33,000
Liquid chlorine	18,500
Synthetic ammonia	42,700
Hydrochloric acid	11,000
Ammonium chloride	180,900
Trichlorethylene	194,900
Hexachlorethane	41,000
Active carbon	220
Sodium hypochlorite	2,000
Sulium chloride	1,600
Sodium ferrocyanide	200

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

2. At present

Name of products	Capacity in month (kgs.)
Caustic soda	260,000
Potassium hydroxide	20,000
Sodium cyanide	10,000
Bleaching powder	2,500
Synthetic ammonia	13,100
Hydrochloric acid	24,000
Ammonium chloride	177,500
Trichlorethylene	47,100
Medicinal charcoal	1,000
Raw salt production for self-supply	50,000
Amino acid condiment	20,000

3. 1946-47 (at maximum capacity)

Name of products	Capacity in month (kgs.)
Caustic soda	400,000
Potassium hydroxide	35,000
Sodium cyanide	30,000
Bleaching powder	8,100
Synthetic ammonia	45,200
Hydrochloric acid	67,800
Metallic soda	60,000
Ammonium chloride	300,000
Trichlorethylene	75,000
Medicinal charcoal	3,000
Raw salt production for self-supply	100,000
Amino acid condiment	20,000

(c) Number of employees

1. Wartime 686

2. At present 561

3. 1946-47 (at maximum capacity) 600

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

6. Machinery & Equipment in plant

Appending detailed accounts in other papers.

7. Present stock of raw materials, supplies and unfinished goods.

Description	Quantity (kg)	Condition
Raw salt	160,000	
Potassium chloride	75,800	
Calcium hydroxide	1,380	
Synthetic ammonia	2,867	
Charcoal	15,220	
Calcium carbide	148,435	
Metalic soda	40,083	
Zinc chloride	8,579	

8. Present stocks of finished goods

Description	Quantity (kg)	Condition
Caustic soda	19,511	33% solution
Sodium cyanide	1,400	
Potassium hydroxide	12,515	40% solution
Bleaching powder	3,925	
Liquid chlorine	270	in storage tank
Hydrochloric acid	15,407	20°Be'
Ammonium chloride	3,559	
Trichlorethylene	57,395	
Medicinal charcoal	4,200	

9. Present stocks of Fuel

Coal 6 metric tons

10. Machinery & Equipment needed for maximum production (1946-1947).

Appending detailed accounts in other papers

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

11. Raw materials & supplies needed monthly

(a) For present capacity

Description	Quantity (kgm)
Raw salt	576,000
Potassium chloride	78,000
Synthetic ammonia	63,090
Charcoal	34,080
Calcium hydroxide	1,632
Calcium carbide	107,640
Zinc chloride	1,000
Metalic soda	5,100
Soy-bean	2,850

(b) For maximum

Description	Quantity (kgm)
Raw salt	880,000
Potassium chloride	65,900
Synthetic ammonia	112,500
Charcoal	60,260
Calcium hydroxide	5,200
Calcium carbide	265,000
Zinc chloride	2,000
Metalic soda	15,300
Soy-bean	2,850

12. Fuel needed (monthly) (not include present stocks)

Coal 200 metric tons

13. Additional personnel needed (at locally available)

None

14. Prices

Description	Unit	Price (Yen)
Caustic soda	metric ton	5,360
Potassium hydroxide	"	14,545
Sodium cyanide	"	16,400
Bleaching powder	"	1,416
Liquid chlorine	"	4,726
Hydrochloric acid	"	2,044
Ammonium chloride	"	8,201
Trichlorethylene	"	11,099
Medicinal charcoal	"	57,000

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

25. Remarks

(a) The cause of obstructing production insufficiency of raw salt and repairing subsidiary materials.

(b) Our proposal

(1) This factory is producing caustic soda and caustic potash and at the same by making use of chlorine and hydrogen that grow in the electrolysis of salt, ammoniumchlorid, trichlorethylene (triolene), hydrochloric acid, bleaching powder and liquid ammonia. (We use as raw material for ammonium chloride).

(2) Caustic soda, the main products is being mainly supplied to the fertilizer manufacturing Co. for water electrolysis use, and caustic potash is for making battery of safety lamp in the coal mine.

(3) Ammonium chlorides and trichlorethylene (triolene) are the unique products and indispensable material for our daily life; and yet there is no other factory except us in Japan.

The former is used for galvanized iron plate and dry cell and the latter is for washing, medicinal solvents, and dry cleaning.

Ammonium chloride and trichlorethylene are being directly used for construction, its materials and dry cleaning of Occupation Forces.

(4) The basic material of these products is raw salt and as we have not enough supply of raw salt, we planned to make self-supplying salt from sea-water but it can not full our necessary quantity of this factory by the control of electricity.

(5) Besides, this factory has the history of 28 years since establishment and through the war time, insufficiency of repairing material causes the superannuation and damage of equipments and machines, and there are not a little part that lose the factory function, and we cannot repair owing to insufficiency of every kind of materials.

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(6) We beg for the special good offices of Allied Forces about the importation of raw salt and potassium chloride and the acquisition of the repairing materials of our factory.

15. Certification by applicant

I certify that the information contained herein is true to the best of my knowledge and belief.

Signed I. Nonaka.

Title: Master of Fushiki Kojo.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

17. Action by Occupation Forces

The factory described in this application has been inspected and the following action:

(a) Ordered to remain closed Yes _____ No _____
(b) Ordered to cease operations immediately Yes _____ No _____
(c) Authorised to produce at the following rate:-

Item to be Manufactured	Monthly Quantity

Signature of Authorising Officer

Designation of Authorising Unit.

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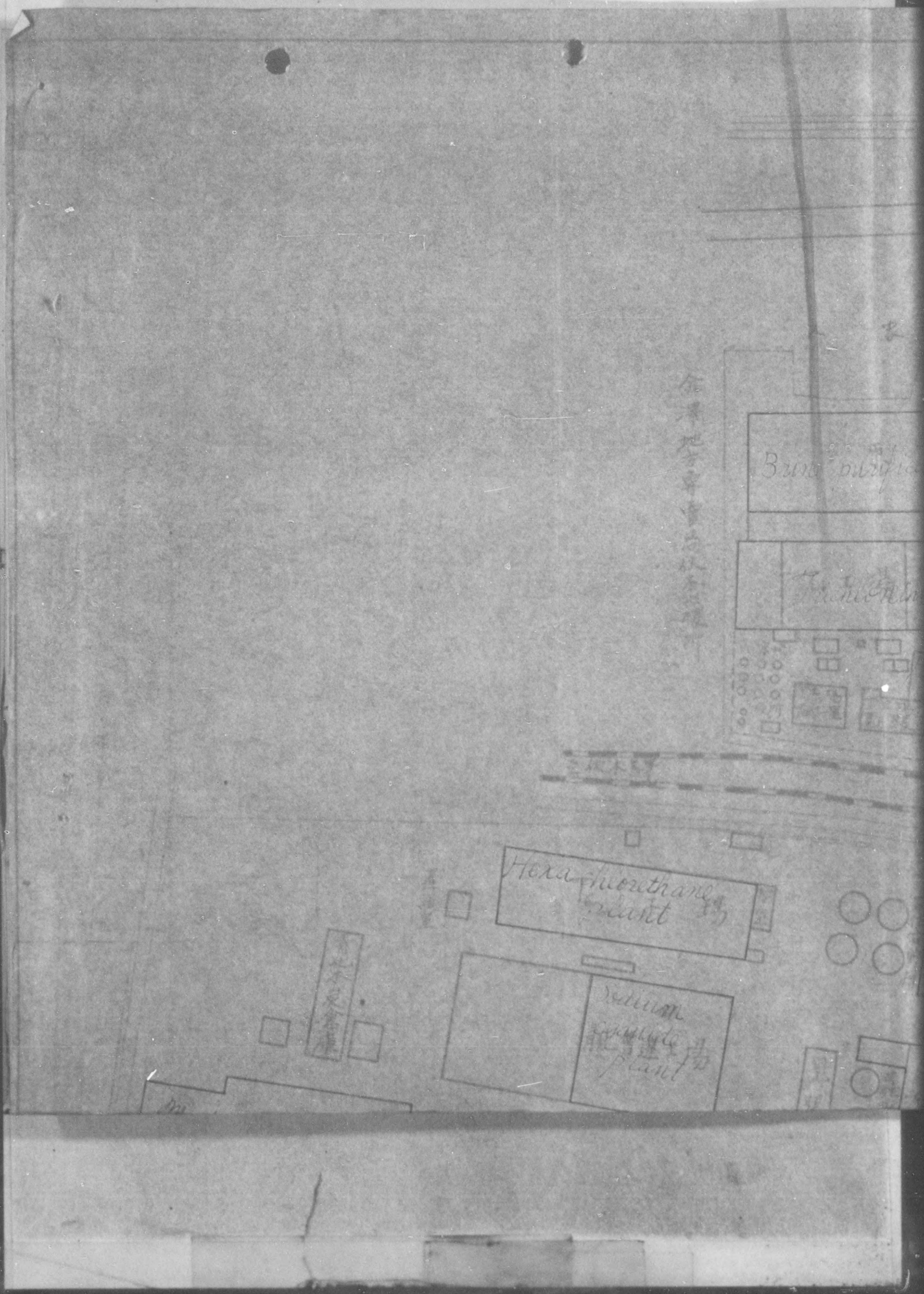

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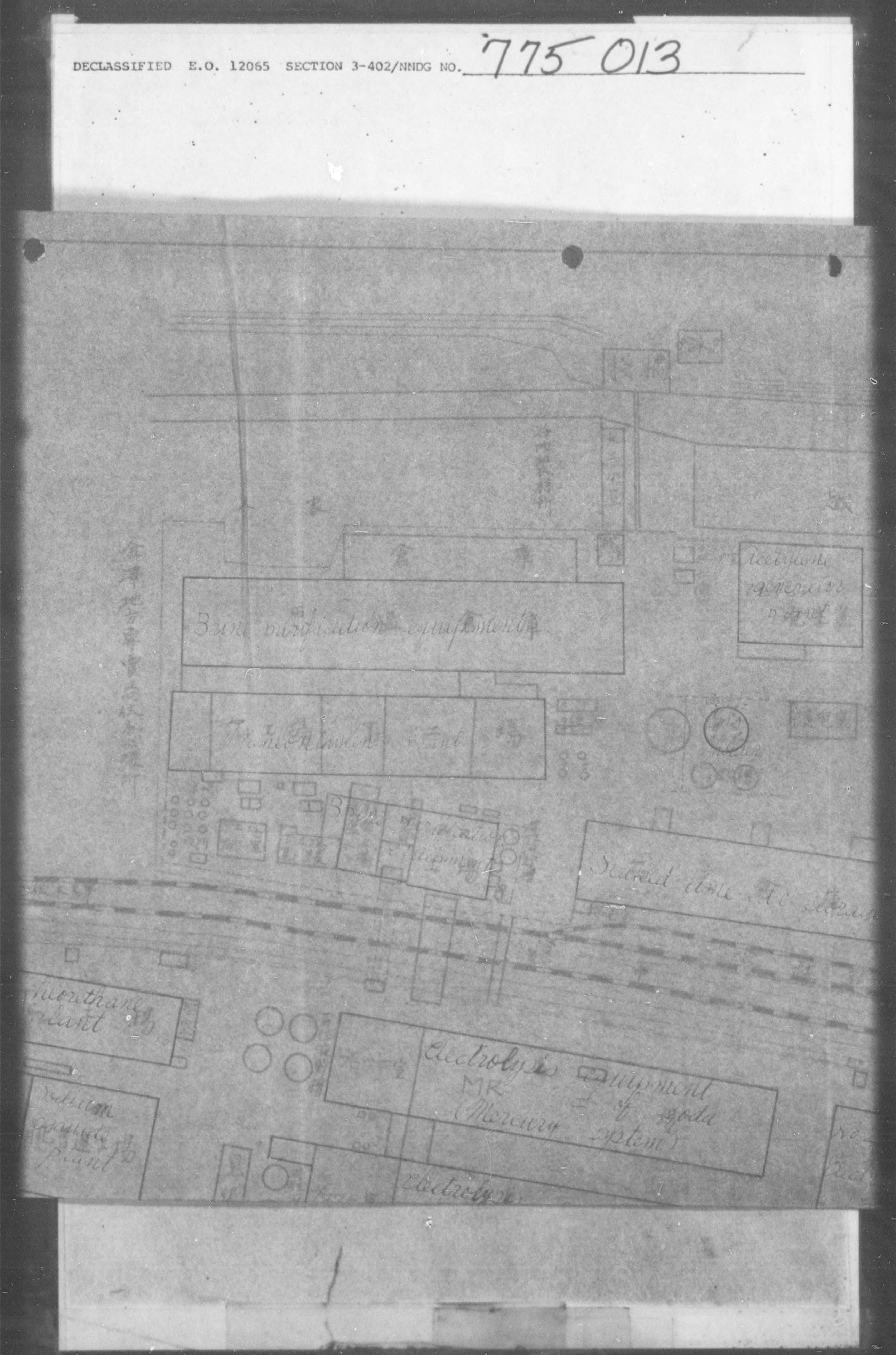

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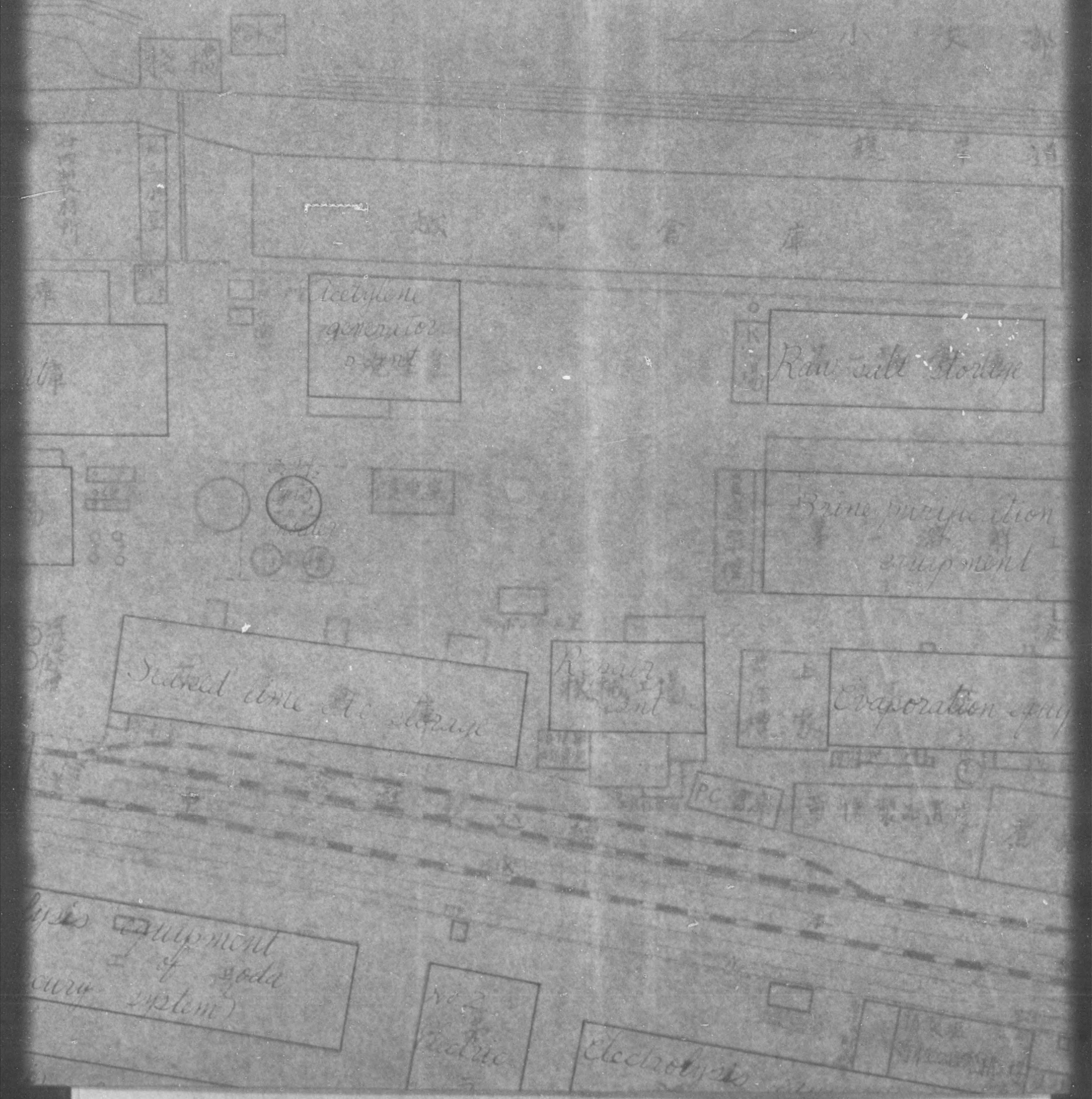

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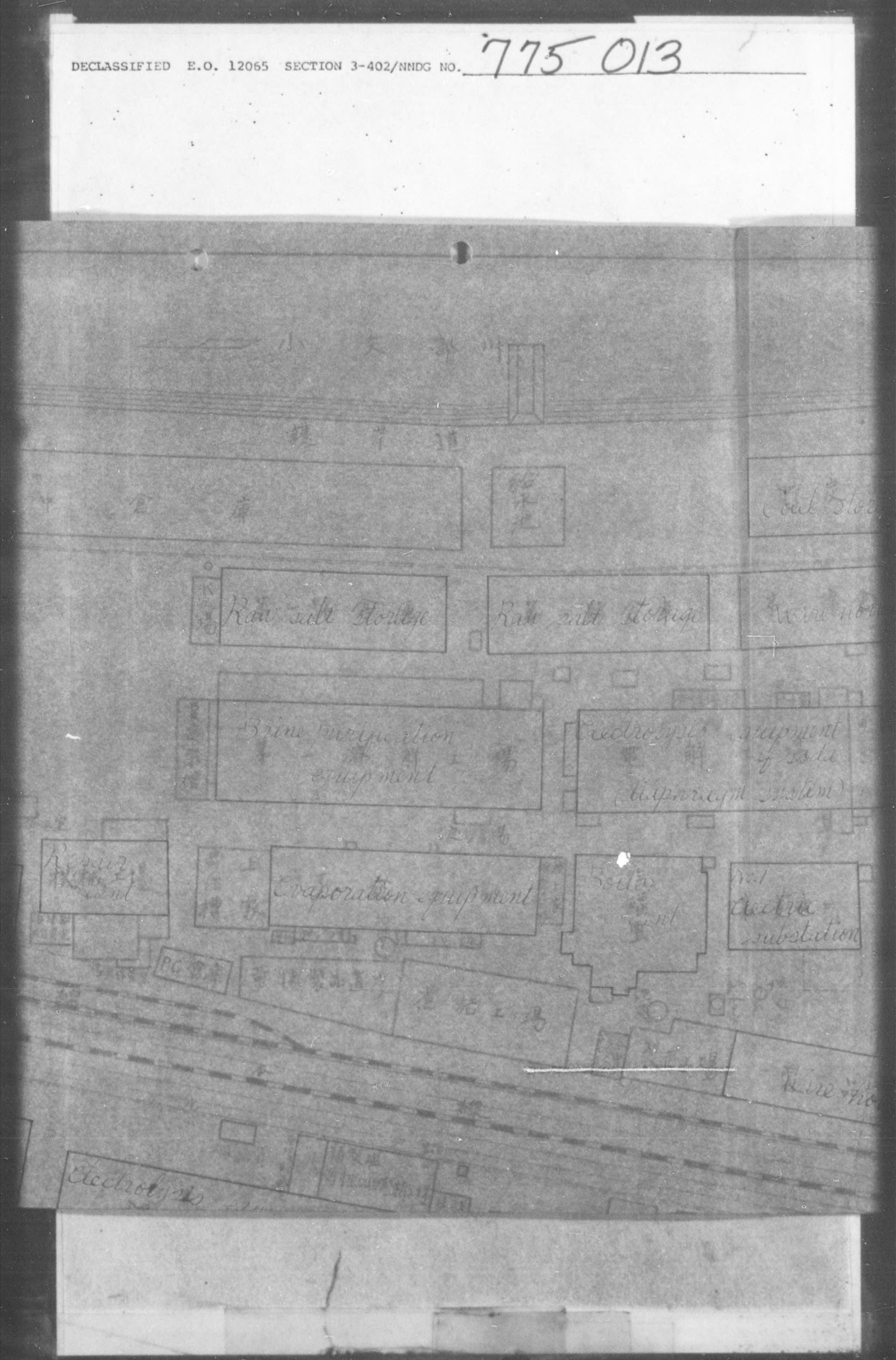

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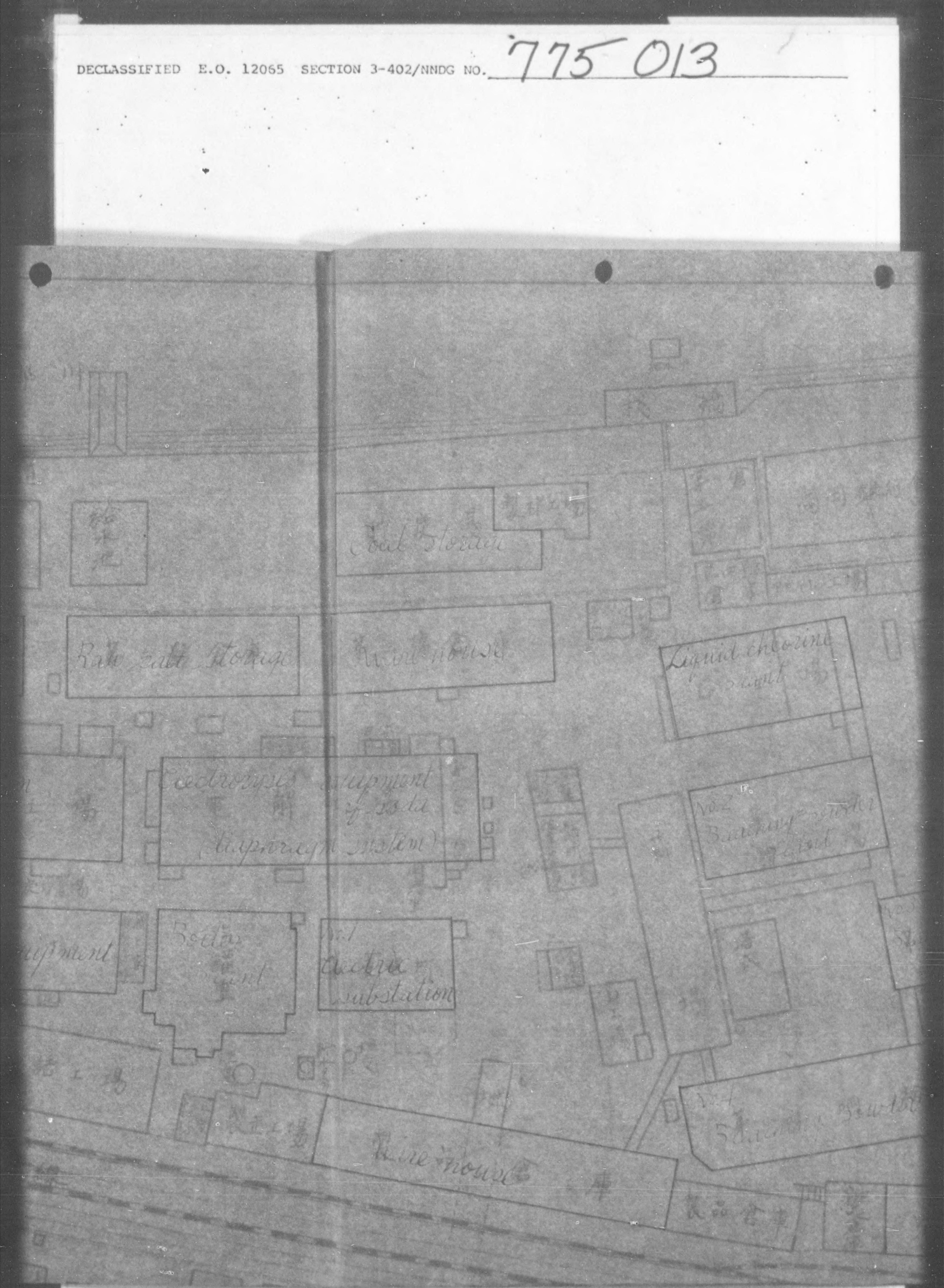

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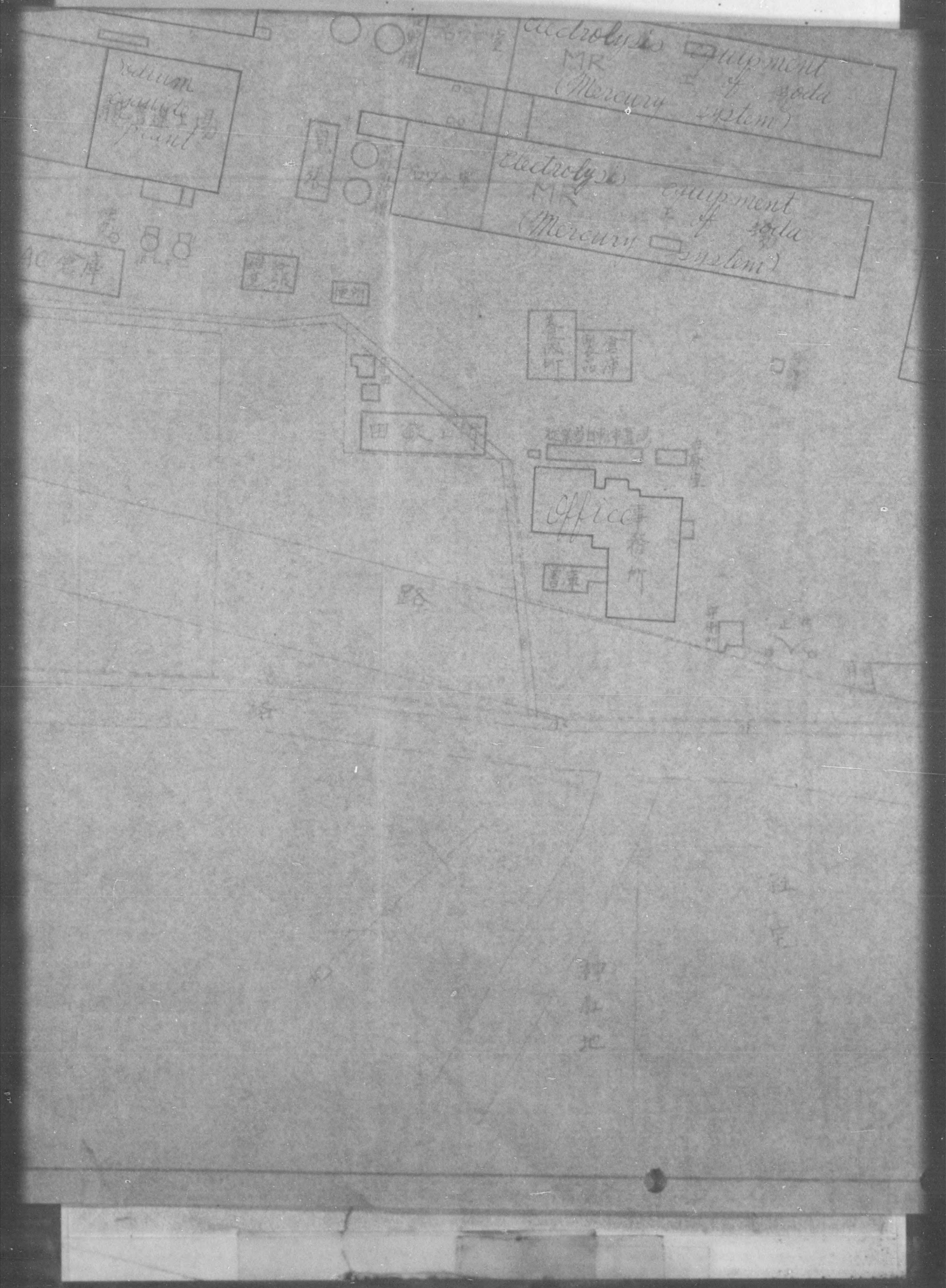

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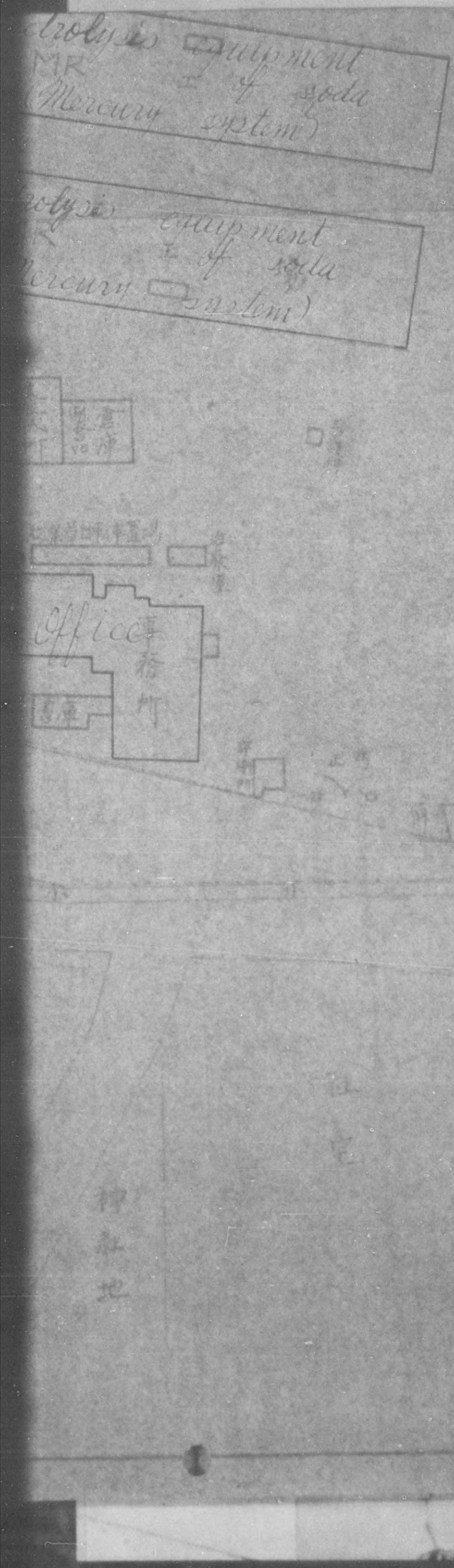

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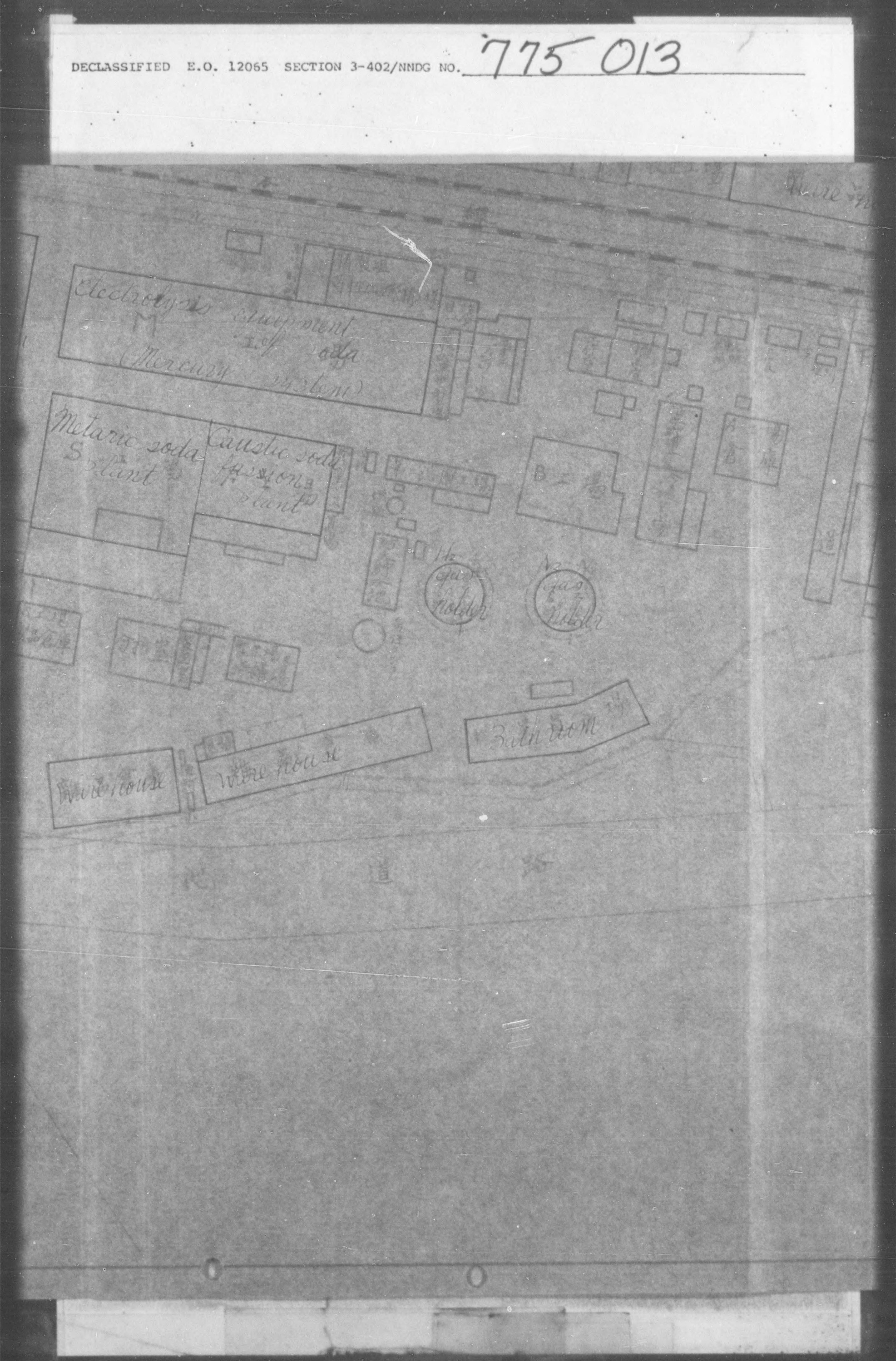

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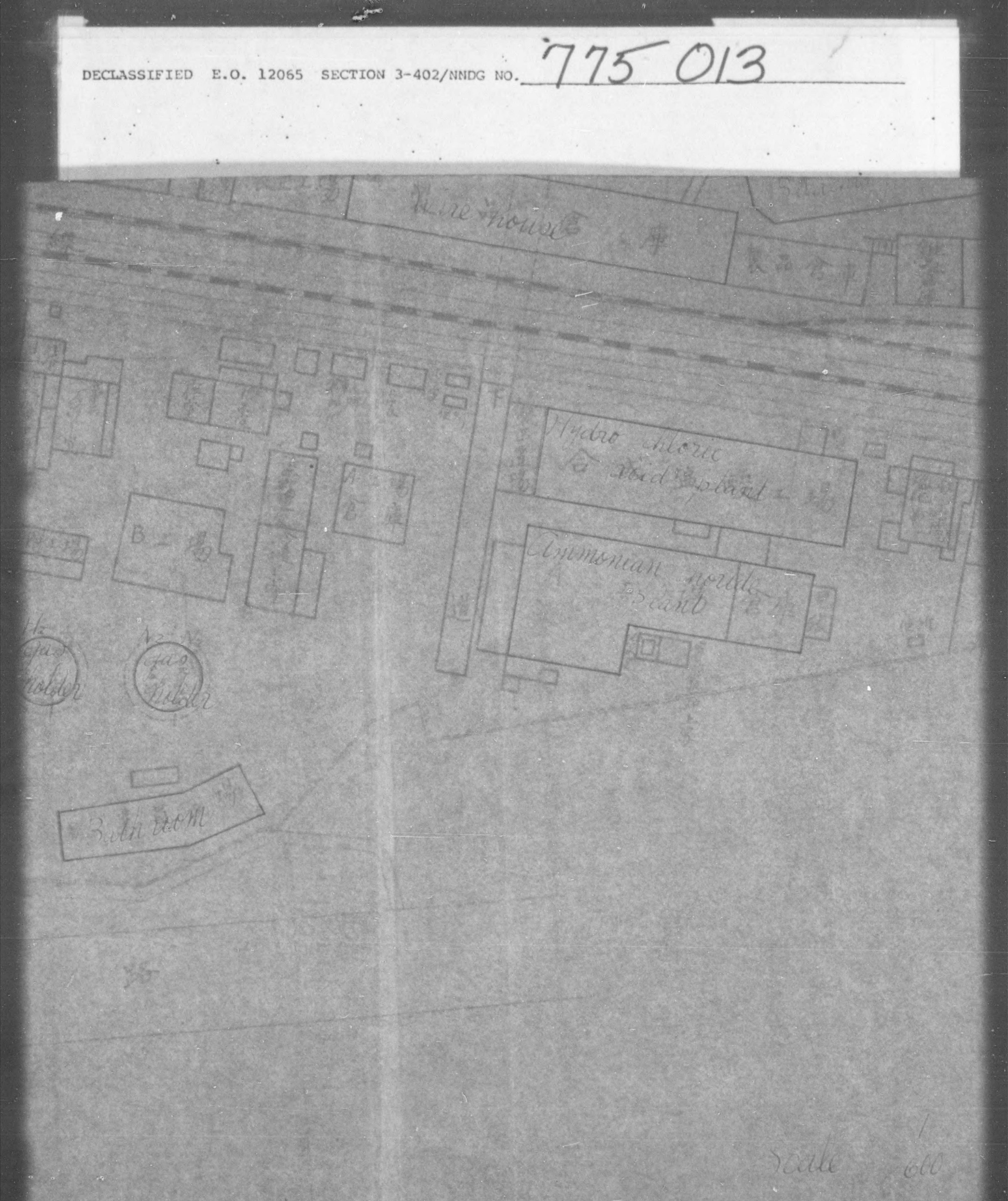

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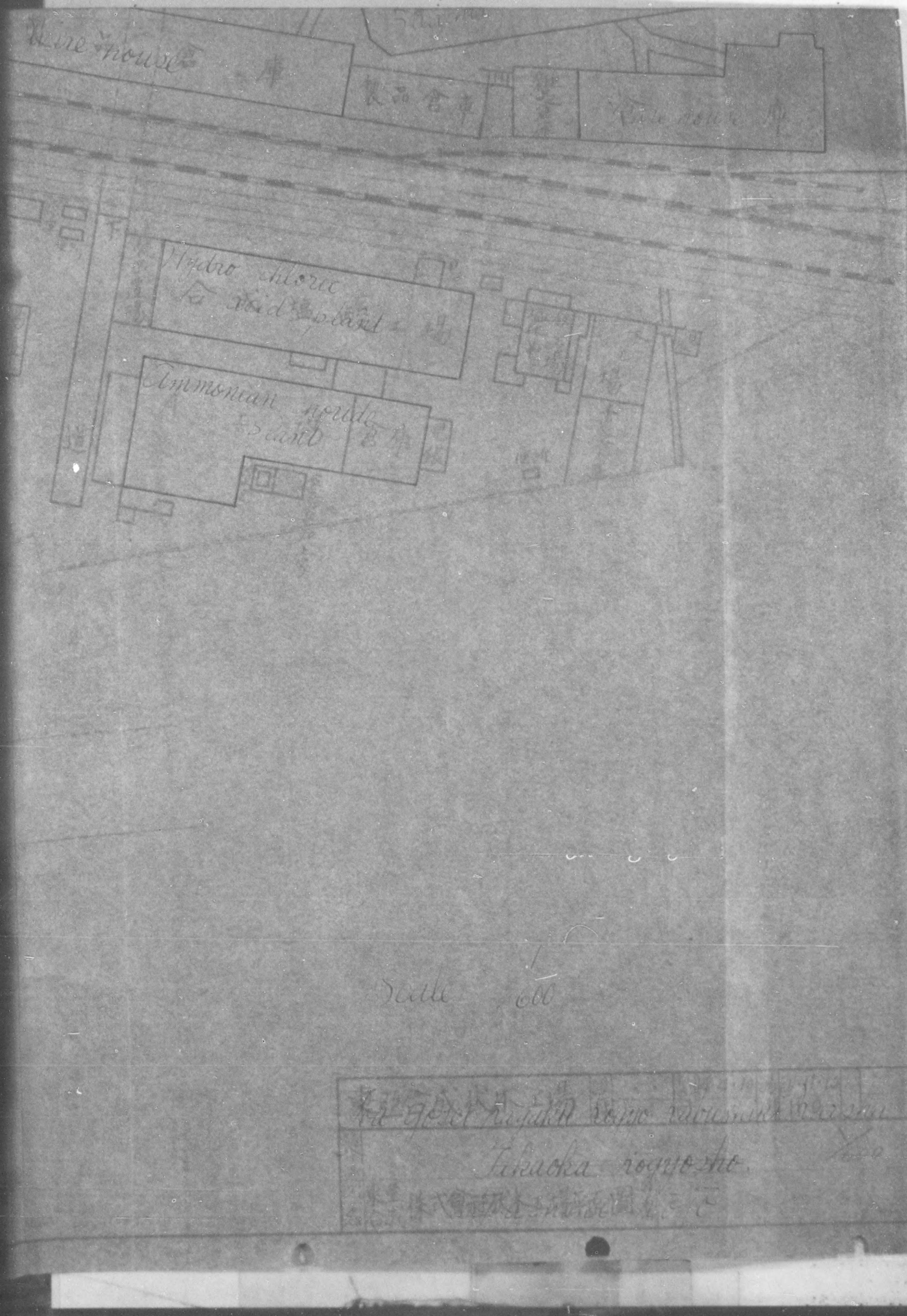


DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOA GOSEI KAGAKU KOGYO CO., LTD.
FUSHIKI PLANT.

Nov. 28, 1946.

To: Commanding Officer, Toyama Mil. Govt. Team.

Subject: Liquid Chlorine Production.

Name and Location of Reporter.

Toa Gosei Kagaku Kogyo Co.,Ltd., Fushiki Plant.

No.90, Shinshima, Fushiki, Takaoka, Toyama Pref.

(A) Amount of liquid chlorine expected to be produced by plant during Nov. Dec. Jan. Feb. and March.

1946	Nov.	--	kg.
	Dec.	10,000	"
1947	Jan.	30,000	"
	Feb.	28,000	"
	Mar.	30,000	"

Note: At present, owing to lack of chlorine for producing ammonium chloride and trichlorethylene, the production of liquid chlorine is at a standstill, but if we are alloted more raw salt and electric power, we shall be able to begin operation of 30 tons output per month on and after 20th of December.

(B) Monthly capacity of plant.

Maximum 100,000 kg.

(C) The factors affecting production other than reparation requirements.

1. Need 240 pcs. of bomb valve as supplement.

2. The bombs in stock are unable to use for the reason that those are not finished pressure test, in order to begin production of liquid chlorine for the present, it is necessary to borrow 400 pcs. of bombs which will be able to use from other plants temporarily; in case of using bombs stock in this plant, it requires 40 days as the period of pressure test.

3. As the acquisition of raw salt is so hard that it requires to get 100 tons in kind per month.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

4. Within the period of electric power limitation, it is necessary to get 250,000 KWH of electricity per month by any means.

5. 15 tons of slaked lime per month are necessary.

(D) Steps being taken to increase or resume production in order to produce at maximum capacity.

1. Need repair of cooling machine of whole equipment.
   It can be finished within 2 months by plant craftmen.

2. Need repair of obsolete machines.
   Expect to be finished within 3 months by plant craftmen but some volume of steel materials are needful.

3. Bomb and valve for bomb.
   1,400 pcs. of bombs are necessary and in case of being impossible to borrow from other plants, obliged to use bomb stock in this plant, then these take 5 months for pressure test, beside 700 pcs. of valve are necessary and in acquisition of those materials, the strong support of Central Government and makers are indispensable.

4. Need material for operation.

Raw salt	300 tons per month.
Electric power	750,000 KWH per month.
Slaked lime	45 tons per month.

(E) Date plant will resume operation if it is currently shut down, and amount of chlorine excepted to be produced during first operation.

If we acquire bombs for liquid chlorine, raw salt, and slaked lime and are permitted to use necessary electric power, we expect to produce 30 tons per month as the output of first month operation after 20th December 1946.

Shugo Ishige.

Asst. Master of Fushiki Plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOYAMA
LIAISON OFFICE

Mar. 18, 1949

TO : Commanding General of the Eighth Army.

FROM : Governor of Toyama Ken.

THRU : Commanding Officer of Toyama Mil. Govt. Team.

SUBJECT : Application for exemption of land and building under custody.

As Takaoka Plant of Toa Gosei Chemical Industries Co., Ltd., 500 Nijoin, Takaoka-shi submitted the application for exemption of land and building under custody as follows, we recommend you to exempt them from custody, taking into consideration the following special circumstances.

1. The buildings under application for exemption are too much decayed to be maintained.

2. As the guard district shall be decreased by this exemption, the guard shall be conducted satisfactorily and the reparations custody expenses shall be saved.

3. As the buildings is a warehouse, it doesn't occupy the important part of caustic soda production processes.

4. The land and buildings doesn't contain reparations facilities.

Signed for Governor of Toyama Pref.

* * * \

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOA GOSEI CHEMICAL IND. CO.,LTD. TAKAOKA PLANT.
No.500, Futakami-Innai, Takaoka City,
Toyama Pref.

Date, March 11, 1949.

To : Commander of the Eighth Army.

Thru: Toyama Military Government Team and Toyama Prefectural Office.

Subject: Application for the Exemption from the Designated Reparation Lands and Buildings.

1. The Designated Plant:

Toa Gosei Chemical Industry Co., Ltd.
Takaoka Plant.

2. Locality of the Designated plant:

No.500, Futakami-Innai, Takaoka city, Toyama Pref.

3. (a) The building to be exempted:

No.2 warehouse (On the annexed arrangement of Takaoka plant, the part colored with red lines -- 140 tsubo).

(b) The land to be exempted:

The land comprising the guarded area around the No.2 warehouse -- 206 tsubo.

4. The reasons for the Application for the exemption:

The No.2 warehouse was built during the war and is decayed so much and its roof has recently become so leaky that it has grown unsuitable to keep reparation goods. So we now wish to remove the machinery there into the No.1 warehouse in order to keep them more safely, and at the same time to make the guarded area narrower, to guard them more strictly and to reduce the reparation expenses. For these reasons, we hereby apply for the exemption of the No.2 warehouse and the land about it from the designation as reparations. We must add that there is not a single reparation machine in this No.2 warehouse now.

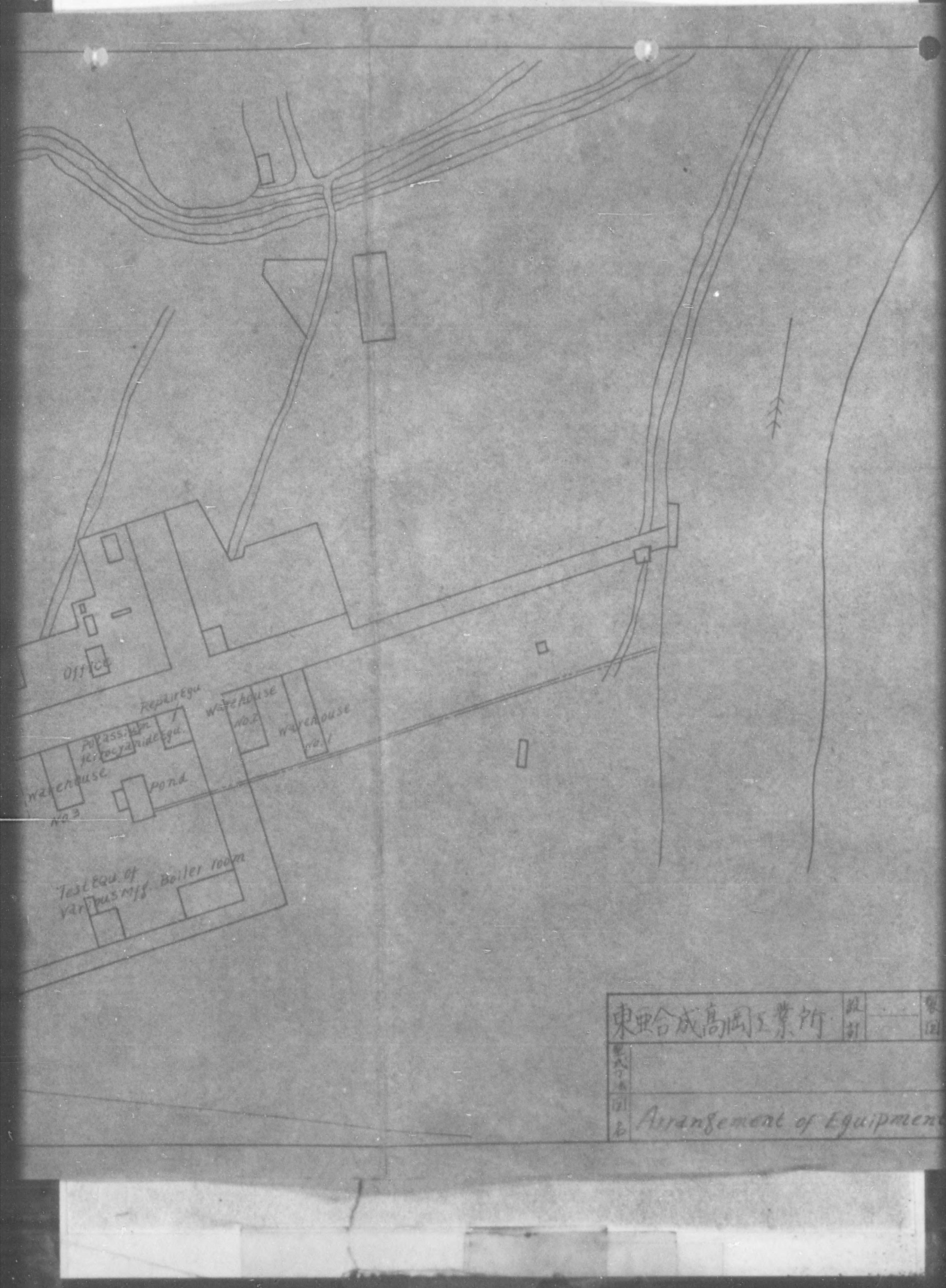
5. The method of guarding the place:

We promise to multiply the patrols by the watchmen.

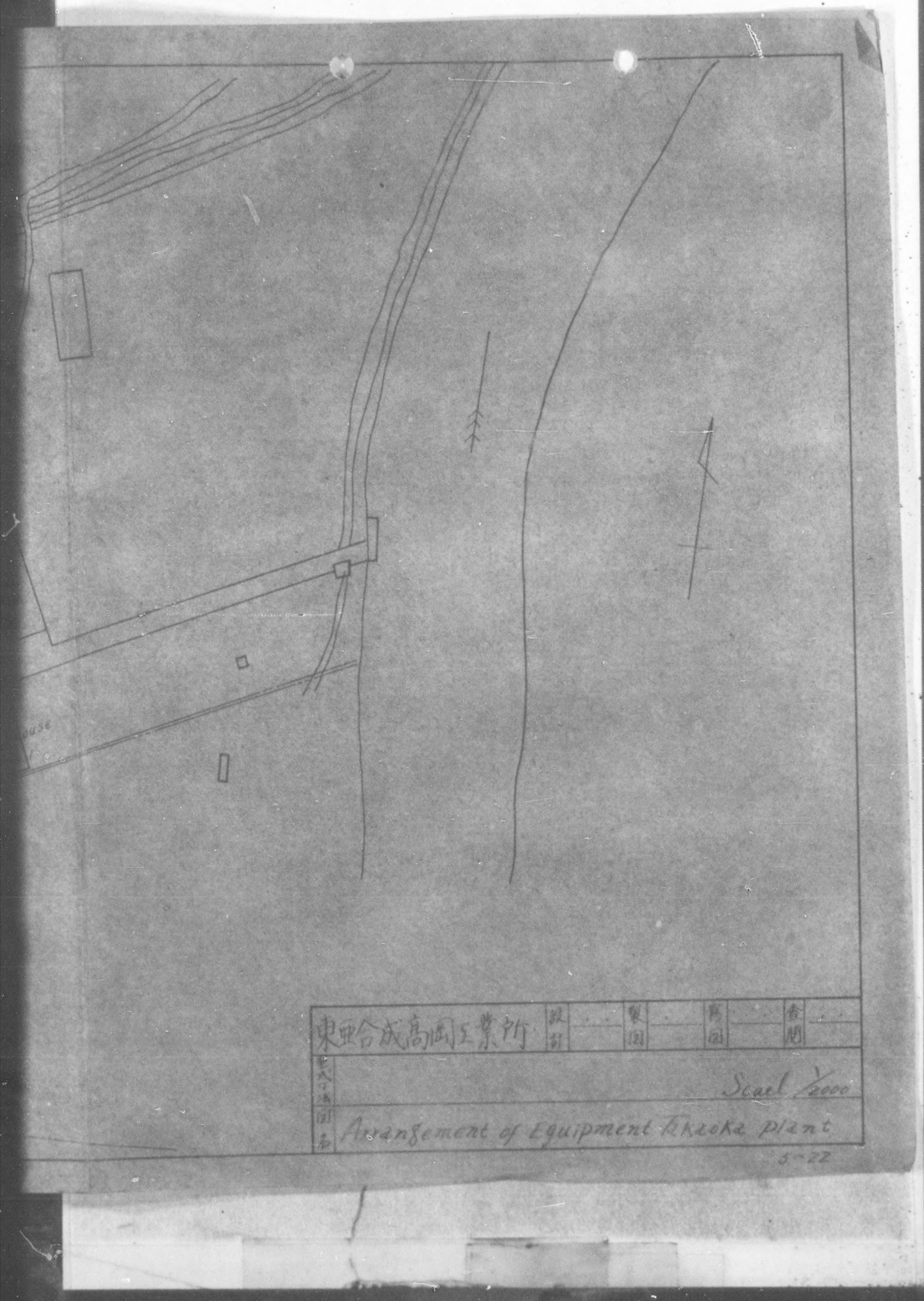
(Sgd)
Haora Shibuya
For Master of Takaoka Plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013



DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

HEADQUARTERS
TOYAMA MILITARY GOVERNMENT TEAM
APO 713

SUBJECT: Exclusion of Industrial Equipment from Reparation

TO : Whom it may Concern

1. The application of the Toa Gosei Kagaku Kogyo K.K., Fushiki factory for exemption from reparations has been disapproved by the 4th Indorsement, SCAP on subject application.

2. However, facilities for the manufacture of trichlorethyline, ammonium chloride, and caustic soda potash will not be removed from the Fushiki Plant.

FOR THE COMMANDING OFFICER:

KENNETH R. SPEAS
Capt., FA
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

(2) - 22 01

BASIC: Ltr, Hq Toyama Mil Govt Team, subj: "Exclusion of Industrial Equipment from Reparation", dtd 20 Sept 1946.

7th Ind GNM/ss

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 9 Dec 46

TO: CO, Toyama Mil Govt Team, APO 713

Your attention is directed to the 4th indorsement.

BY ORDER OF COLONEL BURNELL:

Frank M. Wilkins

FRANK M. WILKINS
Maj FA
Adjutant

2 Incl:
n/c

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOYAMA
MILITARY GOVERNMENT TEAM
APO 713

GHQ, AFPAC
AG 014.1 (20 Sep 46)
APO 500

20 September 1946

SUBJECT: Exclusion of Industrial Equipment from Reparation

TO : The Supreme Commander for Allied Powers

1. The Fushiki Plant of the Toa Gosei Kagaku Kogyo which has been in continuous operation producing approximately the same products since 1918 has been designated as a reparations plant under SCAPIN-1129 dated 13 August 1946.

2. This plant, besides being a source for employment in this area, is also the sole producer of products which directly affects many related industries in Japan.

3. Among the important products which are inseparable from the caustic soda industry are the following:

a. Trichlorethyline (Trichlene):

Used as a noninflamable dry cleaner, solvent, cleanser of metals, extract agent, and for medicinal purposes. (This is much used and is in great demand by Occupational Forces.)

b. Ammonium Chloride:

Used in manufacturing of zinc iron plate and dry cell batteries.
(Used exclusively by the Railways of Japan for signal lamps)

c. Caustic Potash:

Used as the sole material in making safty lamps for mining.

4. This office feels that as a direct result of causing this plant to discontinue its caustic soda manufacturing several industries throughout Japan which depend upon products from the Fushiki Plant will either have to curtail production or completely shut down, thus causing needless unemployment and an unnecessary shortage of badly needed materials.

5. Therefore, this office recommends thatall or part of the equipment and machinery of the Fushiki Plant of the Toa Gosei Kagaku Kogyo be exempted from the reparations program.

Eugene Moss

EUGENE MOSS
Capt. CAC
Industry Officer

+1 1543

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Inclosures:

1. 4 Applications for exemption

2. 4 Sets of Petitions from the following:

Japan Trichlene Union.

Ministry of Transportation, Government Railway,
Chief of Material Bureau.

Japan Dry Cell Battery Controlling Assn.

Japan Sulphuric and Nitric Acid Co., Ltd.

Zinc Iron Plate Conference Assn.

Toa Gosei Chemical Industry Co., Ltd.
Fushiki Plant's Labor Union.

Mayor, Takaoka-shi

Chairman, Takaoka City Assembly.

Demanders of Soda Industrial Chemical of
Toyama Pref.

Master of Tsuruga Plant of Toyo Cotton Spinning Co., Ltd.

The Governor in Ishikawa Pref.

Mayor of Kanazawa City, Ishikawa Pref.

President of the Chamber of Commerce and Industry in
Ishikawa Pref.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

BASIC: Ltr, Hq Toyama Mil Govt Team, APO 713, dtd 20 Sept 46
Subj: "Exclusion of Industrial Equipment from Reparation"

GHQ, SCAP
CIVIL INTELLIGENCE SECTION
AGO RECORDS

1st Ind

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 26 Oct 46

TO: CG, I Corps, APO 301

1. Reference:

Application for exclusion of the Fushiki Plant of the Toa Gosei Kagaku Kogyo Toyama Prefecture dated 20 Sept 1946, and 1st Ind this headquarters dated 2 Oct 46.

2. The Fushiki Plant of the Toa Gosei Kagaku Kogyo, Code Number 42-9 has been ordered to shut down to one half (1/2) of its total capacity by 31 October 1946 and the remainder by 15 November 1946 as per telegram from CG, I Corps 121451/1 to CO, Tokai-Hokuriku Mil Govt Region.

3. In view ofthe present facts, par 2 above, on subject company, this application is forwarded without recommendations.

FOR THE COMMANDING OFFICER:

Roy G. Lumpkins B-m 9

ROY G. LUMPKINS
1st Lt, INF
Actg Adjutent

MQ TPS
AG 004

Incl:
n/c
1cc w/d

21406

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

M.G

BASIC: Ltr, Toyama Mil Govt Team, subj: "Exclusion of Industrial Equipment from Reparations", dtd 20 Sep 46.

GHQ, AFPAC
AGO RECORDS
NOV 1946
RECEIVED

AG 004 - BA 2nd Ind

Hq I Corps, APO 301,

30 OCT 1946

TO: CG, Eighth Army, APO 343

2661

1. Inclosed herewith is a petition of the Toa Gosei Kagaku K.K., Fushiki Kojo (42-9) for removal from the list of reparations plants.

9003

2. The inclosed petition, supported by recommendations of various public and government organizations, is primarily based on the essentiality of the products of subject plant to the economy of Japan. Reference is also made to the labor problems which would be introduced in the event this plant were shut-down. Inasmuch as no criteria has been established for the selection of soda plants for reparations, the petition is forwarded to your headquarters without recommendation.

3. In addition to the commodities referred to in the basic communication, the Fushiki Plant is also engaged in the production of ammonium sulphate. The facilities of this plant which were engaged in the manufacture of ammonium sulphate are still in operation.

FOR THE COMMANDING GENERAL:

2 Incls:
n/c

KARL W. MARKS
Lt Col, GSC
Asst Adj Gen

AG 000.5 (30 Oct 46)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

AFPAC
NOV 1946
RECORDS

Ltr, Toyama Mil Govt Team, dtd 20 Sept 46, subj: "Exclusion of Industrial Equipment from Reparation".

AG 004 (MG-Em) 3rd Ind.

Headquarters Eighth Army, APO 343.

TO: Supreme Commander for the Allied Powers,
APO 500
Attention: Reparations Branch, ESS/IN

1. Forwarded for consideration in view of the fact that the Fushiki plant of Toa Gosei Kagaku Kogyo was selected on the basis of reducing the productive capacity considered surplus to the minimum peacetime requirements of Japanese economy.

2. Reference is made to 1st indorsement, Headquarters Eighth Army, AG 004 (MG) forwarded your Headquarters 15 October 1946, subject: "Petition for Exemption from Reparation Selection, Toa Gosei Kagaku Kogyo K.K., Fushiki Kojo". The inclosures attached are forwarded as additional information to subject reference.

FOR THE COMMANDING GENERAL:

2 Incls:
Incl 13 w/d
Incl 23 w/d

R. SCHAFER
Lt. Col., AGD
Asst. Adjutant General

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

BASIC: Ltr, Toyama Mil Govt Team, dtd 20 Sept 46, subject: Exclusion of Industrial Equipment from Reparations, to SCAP

AG 387.6 (20 Sep 46)ESS/IN 4th Ind.

GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS,
APO 500, 23 November 1946

TO: Commanding General, Eighth Army, APO 343

1. Application disapproved.

2. The facilities for the manufacture of trichlorethyline, ammonium chloride and caustic potash will not be removed from the Fushiki Plant of Toa Gosei when the caustic soda plant is taken for reparations. If the demand is greater than that which can be produced at plants other than Toa Gosei's, it will be possible and feasible to bring the necessary caustic soda products to Fushiki in order to manufacture these products.

3. A review of these petitions shows no reasons, other than those considered in previous petitions, for exempting this plant from reparations.

BY COMMAND OF GENERAL MacARTHUR:

2 Incls
1 copy w/drawn

R. G. HERSEY
Lt. Col. AGD,
Asst. Adj. Gen.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Ltr, Hq Toyama Mil Govt Team, subj: "Exclusion of Industrial Equipment from Reparation", dtd 20 Sept 1946.

AG 004 (MG-Em) 5th Ind. 3 DEC 1946

Headquarters Eighth Army, APO 343.

TO: Commanding General, I Corps, APO 301.

Attention is invited to the 4th indorsement.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

B-mg

HQ. I CORPS
004
AG.....

R. Schafer

R. SCHAFER
Lt. Col., AGD
Asst. Adjutant General.

2 Incls:
n/c

AG 004 - BA 6th Ind EHN/okw

Hq I Corps, APO 301, 7 DEC 1946

TO: CO, Tokai-Hokuriku Mil Govt Region, APO 710

Your attention is directed to 4th indorsement.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

KARL W. [illegible]
Lt C[illegible]
Asst [illegible]

2 Incls:
n/c

28776

7H 754

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOYAMA
MILITARY GOVERNMENT TEAM
APO 713

20 September 1946

SUBJECT: Exclusion of Industrail Equipment from Reparation

TO : The Supreme Commander for Allied Powers

1. The Fushiki Plant of the Toa Gosei Kagaku Kogyo which has been in continuous operation producing approximately the same products since 1918 has been designated as a reparations plant under SCAPIN-1129 dated 13 August 1946.

2. This plant, besides being a source for employment in this area, is also the sole producer of products which directly affects many related industries in Japan.

3. Among the important products which are inseparable from the caustic soda industry are the following:

a. Trichlorethyline (Trichlene):

Used as a noninflamable dry cleaner, solvent, cleanser of metals, extract agent, and for medicinal purposes. (This is much used and is in great demand by Occupational Forces.)

b. Ammonium Chloride:

Used in manufacturing of zinc iron plate and dry cell batteries.
(Used exclusively by the Railways of Japan for signal lamps)

c. Caustic Potash:

Used as the sole material in making safety lamps for mining.

4. This office feels that as a direct result of causing this plant to discontinue its caustic soda manufacturing several industries throughout Japan which depend upon products from the Fushiki Plant will either have to curtail production or completely shut down, thus causing needless unemployment and an unnecessary shortage of badly needed materials.

5. Therefore, this office recommends that all or part of the equipment and machinery of the Fushiki Plant of the Toa Gosei Kagaku Kogyo be exempted from the reparations program.

/s/ Eugene Moss
/t/ EUGENE MOSS
Capt. GAC
Industry Officer

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Inclosures:

1. 4 Applications for exemption

2. 4 Sets of Petitions from the following:

Japan Trichlene Union.

Ministry of Transportation, Government Railway, Chief of Material Bureau.

Japan Dry Cell Battery Controlling Assn.

Japan Sulphuric and Nitric Acid Co., Ltd.

Zinc Iron Plate Conference Assn.

Toa Gosei Chemical Industry Co., Ltd.
Fushiki Plant's Labor Union.

Mayor, Takaoka-shi

Chairman, Takaoka City Assembly.

Demanders of Soda Industrial Chemical of Toyama Pref.

Master of Tsuruga Plant of Toyo Cotton Spinning Co., Ltd.

The Governor in Ishikawa Pref.

Mayor of Kanazawa City, Ishikawa Pref.

President of the Chamber of Commerce and Industry in Ishikawa Pref.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

BASIC: Ltr, Hq Toyama Mil Govt Team, APO 713, dtd 20 Sept 46,
Subj: "Exclusion of Industrial Equipment from Reparation"

1st Ind GHM/ss

Hq Tokai-Hokuriku Mil Govt Region, APO 710, 26 Oct 1946

TO: CG, I Corps, APO 301

1. Reference:

Application for exclusion of the Fushiki Plant of the Toa Gosei Kagaku Kogyo Toyama Prefecture dated 20 Sep 1946, and 1st Ind this headquarters dated 2 Oct 46.

2. The Fushiki Plant of the Toa Gosei Kagaku Kogyo, Code Number 42-9 has been ordered to shut down to one half (1/2) of its total capacity by 31 October 1946 and the remainder by 15 November 1946 as per telegram from CG, I Corps 121451/1 to CO, Tokai-Hokuriku Mil Govt Region.

3. In view of the present facts, par 2 above, on subject company, this application is forwarded without recommendations.

FOR THE COMMANDING OFFICER:

/s/ Roy G. Lumpkins
/t/ ROY G. LUMPKINS
1st Lt, INF
Actg Adjutant

Incl:
n/c
1cc w/d

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

BASIC: Ltr, Toyama Mil Gov't Team, subj: "Exclusion of Industrail Equipment from Reparations", dtd 20 Sep 46.

AG 004 - RA 2nd Ind EHN/ln

Hq I Corps, APO 301, 30 Oct 1946

TO: CG, Eighth Army, APO 343

1. Inclosed herewith is a petition of the Toa Gosei Kagaku K.K., Fushiki Kojo (42-9) for removal from the list of reparations plants.

2. The inclosed petition, supported by recommendations of various public and government organization, is primarily based on the essentiality of the products of subject plant to the economy of Japan. Reference is also made to the labor problems which would be introduced in the event this plant were shut-down. Inasmuch as no criteria has been established for the selection of soda plants for reparations, the petition is forwarded to your headquarters without recommendation.

3. In addition to the commodities referred to in the basic communication, the Fushiki Plant is also engaged in the production of ammonium sulphate. The facilities of this plant which were engaged in the manufacture of ammonium sulphate are still in operation.

FOR THE COMMANDING GENERAL:

/s/ Karl W. Marks
/t/ KARL W. MARKS
Lt Col, AGD
Asst Adj Gen

2 Incls:
n/c

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Ltr, Toyama Mil Govt Team, dtd 20 Sept 46, subj: "Exclusion of Industrial Equipment from Reparation".

AG 004 (MG-Rm) 3rd Ind

Headquarters Eighth Army, APO 343, 9 Nov 1946

TO: Supreme Commander for the Allied Powers,
APO 500
Attention: Reparations Branch, ESS/EM

1. Forwarded for consideration in view of the fact that the Fushiki Plant of Toa Gosei Kagaku Kogyo was selected on the basis of reducing the productive capacity considered surplus to the minimum peacetime requirements of Japanese economy.

2. Reference is made to 1st indorsement, Headquarters Eighth Army, AG 004 (MG) forwarded your headquarters 15 October 1946, subject: "Petition for Exemption from Reparation Selection, Toa Gosei Kagaku Kogyo K.K., Fushiki Kojo". The inclosures attached are forwarded as additional information to subject reference.

FOR THE COMMANDING GENERAL:

/s/ R. Schafer
/t/ R. SCHAFER
Lt Col, AGD
Asst Adjutant General

2 Incls:
Incl 1 w/d
Incl 2 w/d

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

BASIC: Ltr, Toyama Mil Govt Team, dtd 20 Sept 46, subject: Exclusion of Industrial Equipment from Reparations, to SCAP

AG 387.6 (20 Sep 46)ESS/IN 4th Ind.

GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS, APO 500, 23 November 1946

TO: Commanding General, Eighth Army, APO 343

1. Application disapproved.

2. The facilities for the manufacture of trichlorethyline, ammonium chloride and caustic potash will not be removed from the Fushiki Plant of Toa Gosei when the caustic soda plant is taken for reparations. If the demand is greater than that which can be produced at plants other than Toa Gosei's, it will be possible and feasible to bring the necessary caustic soda products to Fushiki in order to manufacture these products.

3. A review of these petitions shows no reasons, other than those considered in previous petitions, for exempting this plant from reparations.

BY COMMAND OF GENERAL MacARTHUR:

/s/ R. G. Hersey
/t/ R. G. HERSEY
Lt Col, AGD
Asst Adj Gen

2 Incls
1 copy w/drawn

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Ltr, Hq Toyama Mil Govt Team, subj: "Exclusion of Industrial Equipment from Reparation", dtd 20 Sept 1946.

AG 004 (MG-Rm) 5th Ind. 3 DEC 1946

Headquarters Eighth Army, APO 343.

TO: Commanding General, I Corps, APO 301.

Attention is invited to the 4th indorsement.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

2 Incls:
n/c

R. SCHAFER
Lt. Col., AGD
Asst. Adjutant General.

RECORDED -MG- INDEXED

AG 004 - RA 6th Ind EHN/ckw

Hq I Corps, APO 301, 7 DEC 1946

TO: CO, Tokai-Hokuriku Mil Govt Region, APO 710

Your attention is directed to 4th indorsement.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

KARL W. MARKS
LT C...
As...

2 Incls:
n/c

TH754

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

HEADQUARTERS
TOYAMA MILITARY GOVERNMENT TEAM
APO 713

24 September 1946

Subject: Permit for Continutation of Operation

TO : Whom it may Concern

Continued Operation of the Toa Gosei Kagaku Kogyo K.K., Fushiki Kojo is authorized by 2nd indorsement, I Corps, on subject application.

FOR THE COMMANDING OFFICER:

KENNETH R. SPEAS
Captain, FA
Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOA GOSEI KAGAKU KOGYO,

FUSHIKI PLANT.

Nov. 22, 1946.

To : Commanding Officer, Toyama Military Govt. Team.

Subject: Application for the Prolongation of Operation of Plant.

Dear Sir:

We have received on Nov. 8th your oral instructions stating that we may continue our plant operation till Dec. 15th. Nevertheless out of the products which we produce, specially Trichlorethylene and Ammonium Chloride are used by the Occupational Forces for house hold goods, for dry cleaning and also as raw material for the production of galvanized iron plates used by Occupational Forces building materials. Therefore there is a need for the manufacturing of it.

Furthermore Ammonium Chloride is the raw material for the production of Dry Cell Batteries and Leclanche Batteries and is absolutely necessary for the maintenance of our country's communication and railways, but there is no other manufacturing plant and if this plant's production is suspended, our country's communication and transportation function will drop immediately.

Further, it will start snowing in this locality from the middle part of December. This district is one of the noted place for the amount of snow in our country. Therefore if we stop the operation of the plant, it will greatly hinder our supervising and protecting of the facilities. That is to say, we need lots of labourers fo remove the accumulated snow. Also there will be snow blowing into the building and damaging the machineries. But if we are carrying on with our production, with the heat in the building, there will be no accumulation of snow, also, we could protect the damage of machine parts due to freezing and could absolutely secure the protection and supervision of it.

Upon your consideration of the above circumstances, we hurriedly ask for your permission to prolong our plant operation till March 15th of next year and thank you in advance.

Yours respectfully,

H. Shibuya

Asst. Master of Fushiki Plant.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

Inspection Report Of Toa-Gosei Kagaku
Kogyo K.K. Fushiki Plant.

Sept. 27, 1946

Subject: Inspection of Coustic Soda Plant. (Mercury System)

1. The plant at present time is operating about half of it's capacity and electrolysis equippment is in good condition.

2. The Coustic Soda plant(diaphram system):
Electrolysis equippment is very rusty. Have instructed to be painted with non- corrossive paint and to be kept in good condition. This plant has not been in operation since pre-war.

3. Brine Purification Plant:
All equippment and apparatus is in generally good order and in good shape and are protected from corrossion with the rust proof paint.

T.J. Hiroki

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

HEADQUARTERS
TOYAMA MILITARY GOVERNMENT TEAM
APO 713 (Toyama, Honshu)

25 September 1946

SUBJECT: CI 1/2 Report (Toa gosei Kagaku Kogyo Co.,Ltd. Fushiki Plant)
TO : Commanding Officer, Tokai-Hokuriku Mil Govt Region, APO 710 (Nagoya, Honshu)
Attn; Res, Comm and Ind Officer

1. The following report is submitted in compliance with paragraph "3c" of CI 1/2, Hq I Corps, dated 20 July 1946;

a. The machinery in the plant is generally in (good, [redacted] condition ([redacted]).

b. Proper protective measures to preserve the equipment (have/[redacted]) been taken.

c. The management (has/[redacted]) complied with the provisions of CI 1/2.

2. In view of the facts contained in the attached check sheet, it is recommended that this plant (be/[redacted] permitted to operate [redacted]). It is further recommended that this plant ([redacted]h/be removed from) the reparations list.
partly or entirely

FOR THE COMMANDING OFFICER;

Incl; 1.
Check Sheet (3 copies)

EUGENE MOSS
Captain C.C
Industry Officer

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

HEADQUARTERS
TOKAI-HOKURIKU MIL GOVT REGION
APO 710 (Nagoya, Honshu)

FORM 1-2
(200)

Date: _____

REPARATIONS CHECK SHEET

1. Company: Toa Gosei Kagaku Kogyo Co., Ltd.

2. Plant: Takaoka (Kogyosho) 3. Code Number: Not received yet

4. Address: Shishima, Fushiki, Takaoka, Toyama Prefecture

5. Year Construction Completed: 1918

6. Number of Machines Suitable for Reparations: Approx 805

7. Principal Pre-1941 Products:

Product	Approximate % of Production
Caustic Soda	71,680 (Metric Ton)
Bleaching Powder	31,104 (Metric Ton)
Ammonium Chloride	29,030 (Metric Ton)
Trichlorethylene	9,639 (Metric Ton)
Hydrochloric Acid	8,702 (Metric Ton)

8. Principal 1941-1945 Products:

Product	Approximate % of Production
Caustic Soda	513,500 (Kilo-gram)
Trichlorethylene	184,900 (Kilo-gram)
Ammonium Chloride	180,800 (Kilo-gram)
Metalic Soda	46,000 (Kilo-gram)
Synthitic Ammonia	42,700 (Kilo-gram)

9. Originally organized for Munitions or Aircraft Production?

_____ Yes ___*___ No

10. Converted for Munitions or Aircraft Production through major change in Volume or Character of Equipment?

_____ Yes ___*___ No

Signed _____

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

TOYAMA
MILITARY GOVERNMENT TEAM
APO 713

Date: 15 October 1946

SUBJECT: Permit for Operation

TO : TOA GOSEI KAGAKU KOGYO CO.,LTD. FUSHIKI PLANT

1. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

FOR THE COMMANDING OFFICER:

Eugene Moss
EUGENE MOSS
Capt, CAC
Industry Officer

as per
I corps AG 004-GA - 8 Oct. 1946

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

List of Petition

Japan Trichlene Union.

Ministry of Transportation, Government Railway, Chief of Material Bureau.

Japan Dry Cell Battery Controlling Assn.

Japan Sulphuric and Nitric Acid Co., Ltd.

Zinc Iron Plate Conference Assn.

Toa Gosei Chemical Industry Co.,Ltd. Fushiki Plant's Labor Union.

Mayor, Takaoka-shi.

Chairman, Takaoka City Assembly.

Demanders of Soda Industrial Chemical of Toyama Pref.

Master of Tsuruga Plant of Toyo Cotton Spinning Co., Ltd.

The Governor in Ishikawa Pref.

Mayor of Kanazawa city, Ishikawa Pref.

President of the Chamber of Commerce and Industry in Ishikawa Pref.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

To: Commanding Officer of Toyama Mil. Gov. Team.

Date: September 18, 1946.

Name of Applicant: Japan Trichlene Union.

Subject: Application for Exclusion of designation of Toa Gosei Fushiki Factory.

Japan Trichlorethylene Union is the body of trade that distributes Trichlorethylene.

The other day, Toa Gosei Fushiki Factory, the sole manufacturing plants of Trichlorethylene in Japan was assigned as the reparation plants; we, as the same trade, are fully aware that this commodity is absolutely necessary for maintaining civilians' life, and so, we beg you for your assistance in exclusion of designation of this factory.

With regard to the customers and use of Trichlorethylene, we described in the other paper minutely. This commodity is not only essential drug for keeping civilians' life but also is serviceable to the Occupation Forces. We implore you for your full recognition and special consideration about exclusion of designation of Fushiki Factory.

Signed Goro Okuma

Representative of
Japan Trichlene Union.

I certify that this is a true copy of the signed application.

Signed K. Kawaguchi

Chief of Commerce and
Industry, Toyama Prefecture

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List of Customers

Consumers	Quantity of monthly consumption	Use	Remarks monthly output
A Washing			
Okamoto K.K.	10 ton	Galvanizing reciprocating articles, bicycles for private demands, and washing of preceding treatment of painting	8,000
Mitsubishi Heavy Industrial K.K.			
Mizushima Plants	10	Cleaning duralumin plate for making locker used by Occupation Forces and for making auto-tricar, kitchen necessities of private demands, and agricultural implements	Locker refer to articles Order form of U.S. Troop No.128 received the order of 2500
Kumamoto "	7		
Nagoya "	5		
Aichi Kigyo K.K.	3	Same	
Fuji Tsushinki Mfg. K.K.	3	Painting of telephone, lamp for switchboard of telephone	
Diesel Motor-car Kogyo	5	Galvanizing and painting of truck "Isuzu" mark	
Shibaura Machine Tool K.K.	2	Galvanizing implements	
Nissan Heavy Industrial K.K.	5	For making small-sized motor-car "Dutsun"	
Light Motor-car Industry	1	For making auto-bicycle	
Takasago Heating Industrial K.K.	5	Galvanizing metal fittings of piping	
K.K. Harima Dockyard Kure Dock	1	Galvanizing and painting of ship building	
Akebono Asbestos K.K.	15	Washing asbestos	
Total	72		

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Consumers	Quantity of monthly consumption	Use	Remarks monthly output
B Cleaning			
	ton		
West Japan Trichlene Assn.	7	For dry cleaning of Occupation Forces in every area	Real amount of supply from Nov. 1945 to Mar. 1946 35 ton
Hakusei-sha each home	5	Cleaning for home use (cleaning necktie and stained)	
Total	12		
C For Extracting			
Teikoku Viscerae Pharmaceutical K.K.	20	Pharmacy of hormones	
Shionogi Pharmaceutical K.K. Akao Plants	10	Pharmacy	
Nippon Pharmaceutical Industrial K.K.	2	Same	
Monopoly Bureau			
Kyoto Plants) Chiba Plants)	20	For making absolute alcohol	
Teikoku Pyrethrum K.K.	10	For making "Pyntrin" - agricultural drug	
Total	62		

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	Consumers	Quantity of monthly consumption	Use	Remarks monthly output
D	Solvents			
	Nissan Chemical Industrial K.K.			
	Mikuni Plants	10	Painting	
	Kawasaki Plants	5	Same	
	Asahi Resin Industrial K.K.	5	Bakeli	
	Fuji Pharmacy	2	Pharmacy	
	Sanwa Gum Mfg.	2	Solvents of gum	
	Aichi Tyre Joint Co., Ltd.,	2	For repairing tyre and tube of bicycle and automobile	
	Aichi Tyre Industrial K.K.	1	Same	
	Sanwa Gum Mfg. Joint Stock Co.	2	Same	
	Yokohama Gum K.K.	15	For making tyre, belt and hose	
	Toyo Gum K.K.	10	Gum foot, shoes	
	Nippon Paint K.K.	10	Painting	
	Kansai Paint K.K.	5	Same	
	Maeda Painting K.K.	1	Same	
	Masaki Yamato Penoil Co.	5	Same	
	Total	75		

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To: The Commanding Officer of Toyama Mil. Govt. Team.

Date: September 21st, 1946.

Name of Petitioner: Ministry of Transportation, Government Railway, Chief of Material Bureau.

P E T I T I O N

I believe you would consider it that the Government Railway is the source of Japan's Peace Construction.

At present the Government Railway's 60% of the tracks are single track operation districts. In order to speed up transportation and make the single file operating districts safe, we use the tablet system blockade signaling device whose source of power comes really from dry cell battery.

The telephones for transport relation is the magnet system telephone, which also uses dry cell battery. Therefore, the obtaining of dry cell battery is the life of the Government Railway transportation power.

This dry cell is made from ammonium chloride--the essential material, and we can not get any ammonium chloride in Japan but for the production of Toa Gosei Chemical Industrial Co., Ltd., Fushiki Factory.

If Fushiki Factory, which was designated as the reparation factory, was removed and production of ammonium chloride becomes impossible, the transportation of the Japanese Government Railway will almost lose its function.

Considering these circumstances, I solicit you for your special consideration in the exclusion of reparation selection with generous mind.

Signed Juzo Namiki
Ministry of Transportation
Government Railway, Chief of
Material Bureau.

I certify that this is a true copy of the signed petition.

Signed H. Kawaguchi
Chief of Commerce and
Industry, Toyama Prefecture.

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To: Commanding Officer of Toyama Mil. Govt. Team.

Date: September 19, 1946.

Name of Applicant: Japan Dry Cell Battery Controlling Assn.

Subject: Application for Exclusion from Designated Reparation.

Japan Dry Cell Battery Controlling Association is a combined body of dry cell battery industrialist in Japan and is in charge of all matters concerning the production and distribution of them.

The other day, Toa Gosei Chemical Industry Co., Ltd., Fushiki Factory was designated as a reparation plant. This plant is the one and only ammonium chloride producing plant for dry cell batteries in our contry. The dry cell battery, with this product as direct material has a wide utility range and is utilized by the railway, for communication, for agriculture, forestry, aquatic industry and for civilian life in general.

At present, in the stage at reconstruction and for the future, it is an absolutely indispensable product, thereby, based on the following reasons, we impolore you for your full recognition and special consideration about exclusion from designation of Fushiki Factory.

Reasons for the necessity of the products of this factory.

1. Ammonium chloride is necessary as an exciting liquid in making dry cell batteries, and any substitution in theoretically and technically impossible.

2. Dry cell battery is a chemical product and the chemical used, especially ammonium chloride, pure, good quality is called for and is absolutely necessary. Its standard is as follows:-

(a)	Purity	over 99.6%
(b)	Iron	less than 0.005%
(c)	Water	less than 0.1%
(d)	With 20% solution P.H. must exceed 6%	
(e)	Must not detect sulphate radical	
(f)	Must not detect copper and heavy metal	

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3. This standard product must be produced by gas method and Ton Gosei's Fushiki Plant is the only plant in Japan which has the equipment in making ammonium chloride by gas method.

4. There is no other plant with equipment that is able to supply the necessary amount described on the accompanying sheet other than this plant.

Signed Toshihiko Takeda

Representative of
Japan Dry Cell Battery Controlling
Association.

I certify that this is a true copy of the signed application.

Signed H. Kawaguchi

Chief of Commerce and
Industry, Toyama Prefecture

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Quantity of monthly needs of Ammonium Chloride
for demand of dry cell at each section.

Date, 19th Sept. 1946.
Nippon Dry Cell Battery Controlling Assn.

Kind of article	Hirakaku #3	Seikaku #1	Seikaku #2	Round #1	B type #1	C type #4	Tan-1	LeClanché Battery	Total	Remark
Number of products	162,500	31,880	18,750	20,630	4,170	19,210	5,992,880		6,250,020	
Ammonium chloride (unit (g)	155.0	301.1	272	101.7	438.6	27.8	14.9			
Ammonium chloride total need (kg)	25,188	9,599	510	2,098	1,829	534	89,294	20,948	150,000	
Railway	1,738	5,010	69	19	4	42	1,250		8,132	
Small transportation	51						357		408	
Ship	251	75	11	61	35	9	1,786		2,228	
Communication	251		121	772	184	205	1,964	20,948	24,445	
Food	1,083		81		123		4,643		5,930	
Public works and building	8,992	3,839	137	864	974	197	35,718		50,721	Reconstruction
Fertilizer and mine	2,921	422	51	99	57	9	8,215		11,774	
Special machine	1,059	175	24	54	325	44	1,250		2,931	
Civilian goods	7,609						33,396		41,205	
Police	1,008	39	16	229	109	20	536		1,957	
Others	25	39			18	8	179		269	
Total	25,188	9,599	510	2,098	1,829	534	89,294	20,948	150,000	

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To: Commanding Officer of Toyama Mil. Gov. Team.

Date: September 19, 1946.

Name of Applicant: Japan Sulphuric and Nitric Acid Co.,Ltd.

Subject: Application for the exemption of Toa Gosei Chemical Industry Co.,Ltd., Fushiki Plant's Caustic Soda Equipments from reparations to maintain the production of Ammonium Chloride.

Our company is the controlling body of sulphuric acid together with ammonium products and is the sole buyer and distributor of ammonium chloride in Japan.

The state of demands for ammonium chloride is given below. At present we rely chiefly on Toa Gosei's Fushiki Plant for distribution.

Especially the dry cell manufacturers, who are the top utilizers, refuses products which has iron included but Fushiki Plant's products are an excellent quality for dry cell battery and is produced by the composition of hyrochloric acid gas and ammonium gas, a method obtained after long experience.

There was a time when another company produced and sold ammonium chloride by the process of using hydrochloric acid and ammonia and this method does not produce good quality and is not usable for the manufacture of dry cell batteries.

Next to dry cell batteries and having a great quantity demand is for the production of zinc iron plates which is utilized by the Occupational Forces for building material and is the material for the reconstruction of war devastated areas.

With the above stated situation, if Fushiki Plant's caustic soda equipments were taken and production of ammonium chloride made impossible, not only makes zinc iron plate production for Occupational Forces impossible but also dry cell batteries for transportation and communication and an immediate effect on industries producing civilian goods.

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Therefore upon your understanding of the above circumstances, we ask for your utmost cooperation in exempting from the designated.

1. Demands (monthly unit ton)

Demanders	Quantity
Dry Cell Battery	150
Galvanizing	90
Tanning of Hides	30
Medical and others	30
Total	300

2. Supply

(a) Productive capacity of equipment.

Name of Plant	Monthly capacity	Remarks
Toa Gosei's Fushiki Plant	300	For home use only and not on the market.
Nisshin Chemical at Araihama	43	Electrolysis for liquid salt has been designated for re-paration. Not used for batteries.

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(b) Actual production from Sept. 1945 to Aug. 1946.

	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Jul.	Aug.	Total
Toa Gosei's Fushiki	42	86	62	63	24	16	27	58	9	31	6	18	242
Mitsubishi Kasei Kurosaki	unknown	unknown	9	8	12	13	8	8	8	0	13	79	
Nisshin Chemical Araihama	--	--	--	--	--	--	--	--	--	10	10	8	28

Signed Kiyotaka Otsuji

Representative of
Japan Sulphuric and Nitric Acid
Co.,Ltd.

I certify that this is a true copy of the signed application.

Signed K. Kawaguchi
Chief of Commerce and
Industry, Toyama Prefecture

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

To: Commanding Officer of Toyama Mil. Govt. Team.

Date: September 12, 1946.

Name of Applicant: Zinc Iron Plate Conference Assn.

Subject: Application for assistance in exclusion of designation of Toa Gosei Fushiki Factory.

The Zinc Iron Plate Conference Assn. is the body organized by the manufactures of zinc iron plate of Japan and executes production and control of supply of zinc iron plate, and acquision and allotment of by-materials necessary for the production of zinc iron plate.

With regard to the demand of zinc iron plate, it is not only much required for building barracks and residences of Occupation Forces but also for restoration of private industries and dwellings damaged by war and other private uses.

Ammonium Chloride is indispensable material for this purpose and we cannot get any substitutes, however hard we may study with all our might and main. This time, the reparation selection of Toa Gosei Fushiki Factory, the sole supplier of ammonium chloride, throws great obstacles in the production of zinc iron plate. Judging from the present state of ammonium chloride production, the production of this sort may be impossible and as the result of it, the stability of civilians life may be greatly affected. We, hereby, beg for your consideration and assistance in exclusion of designation of Toa Gosei Fushiki Factory with attached reference documents.

Signed T. Ogino

Representative of
Zinc Plate Conference Assn.

I certify that this is a true copy of the signed application.

Signed K. Kawaguchi

Chief of Commerce and
Industry, Toyama Prefecture

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List of demand for ammonium chloride relating to the quantity of productive plan of Zinc iron plate 1946

		Quantity of order form (ton)	Ammonium chloride in need	Percentage of ammonium chloride in need	Remark
1	For Occupation Forces				
	The 1st quarter	1,080	16.2	15%	
	the 2nd quarter	1,406	21.1	15%	
2	For Private demand				
	The 1st quarter	4,620	30.8	15%	
	The 2nd quarter	6,585	43.9	15%	
3	Total of the 1st quarter	5,700	47.0	15%	
	2nd quarter	7,991	65.0	15%	
4	The 3rd quarter	18,000	270.0	15%	For Occupation Forces are unk.
	The 4th quarter	18,000	270.0	15%	ditto

Remarks:

1. Present capacity of equipment yearly output 172,800 tons

2. Near future, in order to meet the urgent demand of private and private industry we intend to maintain the production of 20,000 tons of zinc iron plate within one period of time and so the quantity of ammonium chloride in need is 300 tons at one period of time.

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Manufacturing plants of Zinc Iron Plate.

Locality	Name of Company
Tokyo Pref.	Japan Steel Pipe Co., Ltd.
"	Osaka Iron Plate Mfg. Co., Tokyo Plants
"	Tokyo Zinc Galvanizing Co., Ltd.
"	Azuma Industrial Co., Ltd.
Osaka Pref.	Yodokawa Steel Co., Ltd.
"	Osaka Iron Plate Mfg. Co., Ltd.
Hyogo Pref.	Nichia Steel Mfg. Co., Ltd.
"	Amagasaki Steel Mfg. Co., Ltd.
"	Daido Steel Mfg. Co., Ltd. Amagasaki Works
Fukuoka Pref.	Japan Mining Co., Ltd.
"	Japan Iron Mfg. Co., Ltd.

Total 11 companies.

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To: The Commanding Officer of U.S. Eight Army.

Date: September 25th 1946.

Name and Address of Applicant:

Toa Gosei Chemical Industry Co., Ltd.,
Fushiki Plant's Labor Union.

90, Shinshima, Fushiki, Takaoka-shi,
Toyama-ken.

Subject: Application for the exemption of
Fushiki Factory from the designated.

We are the union members of the Labor Union constituting all laborers of Toa Gosei Chemical Industry Co., Ltd., Fushiki Factory.

Recently, our Fushiki Plant has been designated for reparation. Concerning this matter, the factory directors and Unions of Demanders of this factory products has applied for the exemption from the designated, from the point of view that the products of this plant have special features and also that the products are necessities for stabilizing the living of the people of our country. We, who have considered this factory as our working place for years, and making our living through this factory, as laborers of this plant who are working, fully aware that the products we make is absolutely necessary in the life of our people, we apply and ask for your kind consideration in exempting Fusniki Factory from the designated.

Our Fushiki Factory started its operation in 1919, and is one of the oldest soda producing factory in our country. The total laborers working at present is 534 laborers. Dividing these laborers according to their long service we have:

25 years and over	8
20 " " "	23
15 " " "	23
10 " " "	82
5 " " "	188
less than 5 years	210

As above given, the 5 years and over, that is to say laborers who has been working before the beginning of hostilities in the pacific, occupies 60% of the laborers including workers of two generations.

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This is to show the proof that the workers, with the understanding that the products of this plant is a pre-war, post-war absolute necessity to the life of the people, are working day and night. Therefore, we consider this factory like our home and carry a love for it that we cannot think of making a living away from it. We also have behind us a total sum of 1,202 supportees who make their living from the earnings we make through this factory as the only source of income. Further, there are lots of laborers, with the use of our products directly, or indirectly, making a living.

Furthermore, many laborers have been working for long years at this factory as skilled laborers on special work, making it almost impossible to obtain another suitable job at another place. Also, having lived in Fushiki town so long it would make it very hard to move from here to another place.

As above stated, if Fushiki Facotyy's caustic soda equipments were to be taken away, we, with the pride as the only producing factory of Trichlene, Ammonium Chloride, Mercury system Caustic Potash would be unable to produce them. Not only that but would loose our source of living and will have a hard time making a living.

Therefore, upon your full understanding that the products of Fushiki Factory is an unomittable necessity for our nation and for the people to maintain the lowest standard of living, and with the understanding of we, laborers position, ask for your full cooperation in exempting Fushiki Plant from the designated. Thereby we hand in a signed list of all laborers of Fushiki Factory's Laborer Union.

I certify that this is a true copy of the signed application.

Signed H. Kawaguchi
Chief of Commerce and Industry,
Toyama Prefecture.

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	Tuneo nakatuka	中塚常男
	keji Ura	浦敬二
	Tetsuji Imai	今井鉄治
	Kenji Osuga	大菅憲二
	Naoji Shima	島直二
	Yasu yadake	矢竹康
	Jinzo Umemura	梅村甚造
	Itaro Nisida	西田伊太郎
	Seiichi Yanahira	柳久清一
	Sigenobu Yamazaki	山崎重信
	Matsujiro Hachiya	蜂谷松次郎
	Hejiro Saito	斉藤平次郎
	Tashiji Tanga	丹波敏治
	Chosaku Sima	島長作

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	Jamie Iitsuigachi	飯口民弥	
	Bunzō Murata	村田文造	
	Ryoshin Asabe	浅部良信	
	Kiele Muratani	室谷秀	
	Kimiko Takahara	高倉喜美子	
	Jokatarō Miyawaki	宮脇助太郎	
	Yosutaro Yoshiki	吉岡吉太郎	
	Seitaro Hiroi	本多清太郎	
	Kyuta Oe	大江久太郎	
	Yosojiro Makino	牧野與三次郎	
	Misai Mato	本ミサイ	
	Margit Hamstrom	ﾊﾑｽﾄﾛﾑ	

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Yonejiro Ametani 飴谷米次郎

Yukichi O-hashi 大橋勇吉

Kitaro Rokuda 六度北郎

Yoshi Urayama 浦山好

Isomatsu Miyazaki 宮崎磯松

Masaichi Kasegawa 長谷川正一

Taisuke Iwasaka 岩坂義助

Toraemike Nakamura 中村寅之助

Seiji Nozawa 能澤清二

Seizo Shimizu 清水誠二

Hiroshi Hamada 浜田弘

Matazi Hashimoto 橋本又治

Ichitaro Mitsukoshi 三越市太郎

Masao Nakada 中田政雄

Motoaki Ishida 石田要吉

Shinichi Hashimoto 橋本信一

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Shigemi Aoki	青木茂美	
Naogiro Shioda	塩田直次郎	
Kidaichi Takebayashi	竹林秀一	
Masajiro Kisaminata	久湊増次郎	
Eiko Shioda	塩田栄子	
Yosaku Mosinaga	森永與作	
Masa, Shimada	島田マサ	
Seizaro Iyasaka	矢坂清左衛	
Fusako Shibata	日尓富佐子	
Nobuko Kobashi	小橋信子	
Tokunaga Kubo	久保徳永	
Mato Kubo	久保まと	
Hanai Mizuchima	水島花枝	
Yayoi Oshiro	大城やよひ	
Hisa Mizohara	溝原ひさ	
Kenichi Yaga	野呂賢一	

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Sadafusa. Senshu	千秋定房
Masajiro Nomura	野村政次郎
matudaira. Hida	松田私太郎
Heihachi Komichi	小路平八
Takeo Doi	土井武夫
Seiichi Honda	本田清一
Sinetsu Okada	岡田信悦
Kumakichi Egawa	江川九馬吉
Shigeru. Hayashi.	林茂
Haichi Iwakami	岩上弥一
Yukiyasu. Yamajizawa	柳沢幸緑
Tegiro Nakada	中田貞太郎
Yosaku Doai	土合弥作
Tadao Kawaguchi	川口忠雄
Takakichi Ueno	上野高吉
Kosaku Hasegawa	沙魚川耕作
Yoshichi Tachi	太知与七
Masaji. Kongo.	金剛政次
Kisaku Maekawa	前川喜作
Sotojiro Ito	神藤[redacted]郎
Hidenori Kawashima.	川島秀則
Kinkichi. Morita.	森田錦吉
Kaoru. Murata.	村田甲子雄
Atsuji Sakai.	坂井醇
Takeo, Fujo.	田子竹雄.

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	Eizaburo Tanimura	谷村英三郎	
	Teiichi, Kokubu	國分貞一	
	Kenshiro, Masamura	正村堅四郎	
	Seiji. Ogawa.	小川清治	
	Yashio Agitani	網谷弥夫	
	Sueman Nishigima	西島陽太之門	
	Masajiro Makino	牧野政次郎	
	Mitiko Murotani	室谷美智子	

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Risaburō	Tabatugi	多辻利作
Satoru	Uchida	内田悟
Hiromaro	yasiki	屋敷二麿
Saburō	kōsaka	上坂三郎
Hachiro	jōtani	條谷八郎
Toshihisa	Hano	加納利久
Toshihiko	Noyawa	野沢後彦
Minoru	yamamori	山森稔
Hathujō	funaki	船木八城
shitatu	kitamura	北村信春
Siyansaka	Simada	島田俊策
Gatoso	Obeda	大岡外次
Ikkoo	Nakoyama	中小菊夫
yasakini	Sakopapi	坂林兵之吉
yosimatu	Nakano	中野吉松
Masayuki	Miyada	宮田政行
Tadasi	Tekada	勅田正
Sobuo	inoue	井上十郎
Shigeo	Demura	出村茂雄
Aiko	Takao	中尾隆子
Yoshinobu	Kidani	木谷義信

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Satoji Maki	牧外次
Kenji Senda	千田健二
Seiiti Nisimori	西守清一
Tatsujiro Watake	竹脇太郎
Massmitsu Miyashita	宮下正光
Yoshiteru Nakamura	中村義輝
Kiyosi Saida	斎田潔
Ichi Komatsu	小松勇一
Koji Tachibana	橘孝二
Yukio Yasaka	八坂幸夫
Yano Aiko	矢部愛子
Eiichi Mabuchi	馬渕栄吉
Simiko Miura	三浦澄子
Yasuko Fujita	藤田康子
Tomiko Matumoto	松本富子
Kyouko Tiotani	塩谷京子
Eisuji Kaneko	金子郁路
Nadako Simura	新村政子
Akiko Azuma	小久米秋子
Shiginobu Takenoyoi	竹林重信
Misao nagaini	永井操
Aiko Matonaga	木永定子
Kumijiro, Hirata	平田篤次郎
Satarô Awaya	栗屋佐太郎
Kimi komatu	小松きみ
Shoji Saiga	宿賀昭二
Shinichi Matsumoto	松本新一
Toshiko Furugo	古賀敏子

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Yasunobu Nagata	永多保信
Tei Shimizu	清水悌
Jinsō Zukawa	頭川是三
Tadashi Yoneyama	米山忠
Kuretsugu Kawaguchi	川口吳次
Matsusaburō Hayashi	林松三郎
Takejiro Saisai	西海竹次郎
Takematsu Taniguchi	谷口竹松
Kamegorō Hayashi	林龜郎
Kotaro Kaimon	戒門幸太郎
Toshio Tajima	井島俊雄
Seizo Tazawa	田澤正三
Tomijiro Yamaguchi	山口富次郎
Zenemon Mokiheita	鶩北善右エ門
Tomi Washihiro	鷲平とみ
Chinzusaku Jōya	原忠次
Chiyohisa Oka	岡千代久
Rikichi Kawakami	川上利吉

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Seiso Yoshino	吉野清三
Taichi Kamura	野村太一
Toshikichi Satō	佐藤利之
Takeo Tanaka	田中武雄
Sōsaburō Terabayashi	寺林三次郎
Kyūjirō Doi	土井久治郎
Kasaku. Aburatani	油谷芳作
Tami Samo	佐野多美
Shigenori Nakaoki	中岡重成
Seichi Tabaka	多賀清一
Konosuke Osuga	大菅幸之進
Seiichi. Funaki	船木清一
Mao Sanjō	三條政秋
Hifumi Kobayashi	小林一二三
Chiyoichi Sugita	杉田千代一

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Sijeru Matumoto	松本	秋
Seiji Sapeki	佐伯	清次
Toshiyuki Koizumi	小泉	年行
Hiroaki Ogawa	小川	光
Tuneo Ichimura	市村	恒雄
Takeji Oga	大賀	武治
Inosuke Akimoto	秋元	伊之介
Tomoyuki Tatawaki	竹脇	友幸
Toshiko Makino	牧野	俊子
Yasuhiko Hirashima	廣島	泰秀
Shizuko Ikeri.	公平	定許子
Tetsuzino Nakamura	中村	九七
Sachiko Kubo	久保	幸子
Nobuko Noto	能	登代子
Takayuki Kamishima	神島	孝之
Kiyoshi Matumoto	松本	清
Kotaro Kamifuse	上布	弘
Yasaburo Sawada	澤田	彌三郎
Ryoichi Shioda	塩田	良一
Tamiko Hamada	濱田	富子
Miyo Tanaka	[illegible]	[illegible]
Shizuka Mikoda	神子田	靜子

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Kedezo Kawahata	川端秀藏	
Toshio Nishida	西田利雄	
Seichi Aoshima	青島勢一	
~~Kaneyoshi Sakai~~	堺兼義	
Takeo Omata.	小俣健男	
Masao Yoshimoto	吉本政雄	
Masayoshi Futakuchi	二口政良	
Keso Toda	戸田敬三	
Shigeaki Jaka	城光哉	

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Takashi Ogihara	荻原隆
Shiko Shibutani	澁谷彰子
Yoshiko Banryo	番匠好子
Sadako Furubayashi	古林貞子
Syoko Komatsu	小松謹子
Kikujiro Nakano	中野菊次郎
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Gaiyu Tokuda	徳田外男
Masao Uchida	内田政男
Tatsuji mori	森 達二
Tamekichi Idata	井田為吉
Toshiko Matsuhara	松原登志子
Ikeda	池田敬精
Shigeko Abe	安倍繁子
Yoshiko Takatsuji	高辻良子
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Seisaku Kaku	角清作

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Hisao Yoshii	吉井久雄
Kyuishin Kokubo	國分久信
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Fumio Ogawa	小川文雄
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Saburō Hamada	濱田才一郎
Senzo, Sugahara	菅原善三
Cyuji Yoshitani	吉谷忠二
Sadao, Nakama	中山貞男
Shizuko Nomura	野村靜子
Kinzo Shibata	柴田金藏
Hiroshi Iwakami	岩上弘
Tokuro Makino	牧野俊治

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Masagi Hayashi	林政治
Taichi Murai	村井泰市
Eizi Okura	小倉榮治
Yoshiichi Urayama	浦山好一
yaichi-Mazuzawa	丸沢嘩一
Tomikichi Dan	団富吉
Jinso Hasegawa	折恵川純三
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Kouichi Ito	伊藤幸一

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M. Wakimoto	脇本政太郎
Kosaku. Shima	島幸作
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H. Yokoyama	横山元子
H. Kita	喜多ハツイ

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K. MORI	岩工進
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Y. Hirata	河泉石子
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T. Nishiyama	木下誠一
S. Kinoshita	

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ToYjiro. YiShiKawa	西川豊治郎
Kuzo Inukai	犬養藏
Seiichi Matsubara	松原清一
TOYojiro MINAMI	南豊次郎
AiSaiTw. Mwkai	向才藏
Mzabe. MiShiSoe	麻瀬松藏
Tein Ishida	石田テル
Chuyo Tukumoto	塚本十五
Jinsaburo Sasaoka	笹岡仁三郎

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S. Morkawa	森川幸雄	
Haruhiko Morimoto	森本春吉	
T. Hira	平 敏治	

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Y. Tozawa	田澤保平
K. Kagamiyama	鏡山清
Y. Asai	淺井貞一
K. Sasai	笹井敬正
S. Tokue	東海三次郎
K. Bando	坂東一生
C. Takagi	高木榮吉
H. Imuta	村田嘉明
S. Kawanishi	川西保治
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Hideki Higashi	東敬曄
M. Kawaguchi	川口美知子