DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Pharmaceutical Chemicals and their use

Raw Materials	Articles	Remarks
Hydrochloric Acid	Vitamin B.	
	Digitamin	Medicine for heart.
	Aktisol	For use of chemical treatment.
	Sinomenine Hydrochloride	Especially good for rhumatism and neuralgia.
	Neobupotalis	Diuretic, and medicine for heart.
	Chinojodin	Antiseptic and antivomitting. Especially good for Amoba dysentery.
	Chinoform	--- do ---
Chlorine	Bromum	
	Acrinol	Sterilizer, disinfectant.
Bleaching Powder	Chinoform	--do--
	Chinojodin	--do--

Raw Materials needed for * fiscal year.

Hydrochloric Acid	30,000 Kg.
Chlorine	5,000 Kg.
Bleaching Powder	6,000 Kg.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

October 19, 1946.

Major Wheaton,
The Osaka Military Government Team,
Osaka.

PETITION

Dear Sir:

The removal of the manufacturing facilities of the Sakaide Factory of the Toa Gosei Kagaku Kogyo K.K.(Toa Gosei Chemical Industry Co.,Ltd. Sakaide Plant) is too serious to be overlooked for us, the manufacturers of pharmaceutical chemicals. And it is most eagerly entreated that under your especial treatment, the Sakaide Factory mentioned above, will be exempted from reparation claims.

Our explanations for the request are given on the attached papers.

Respectfully yours,

Dainihon Seiyaku K.K.
25, 3-chome, Doshomachi,
Higashiku, Osaka.

Izamu Takino

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Petition on the Exemption of the Sakaide Factory from Reparation Claims.

Petitioner: Dainihon Seiyaku Kabushiki Kaisha.

Address : 25, 3-chome, Doshomachi, Higashiku, Osaka.

The Sakaide Factory of The Toa Gosei Kagaku Kogyo K.K. is an outstanding manufacturers of raw materials for pharmaceutical chemicals not only in the Kansai district, but in much wider area. In particular, this factory has its own way of producing hydrochloric acid and chlorine which are indispensable in manufacturing important chemicals of our Company. Both in quantity and quality, no other substitute for the Sakaide factory could be found in this district of the country at the present time.

Under the circumstances, it is quite plain that if the Sakaide Factory should be removed, our Company as well as others concerned would suffer disastrous hindrances, and the production of the Company's pharmaceutical chemicals listed in the following table, would be well-nigh impossible. As a result, the civilian demands on various pharmaceutical chemicals, could hardly be filled and thus the situation is viewed with grave concern that the national hygiene and sanitation will be threatened.

In the light of the above analysis, our Company as one of the principal consumers of hydrochloric acid and chlorine entreat you most sincerely that you would be kind enough to look into the matter once again, and arrange to have the Sakaide Factory exempted from reparation claims.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

USAGE	PRODUCTS	R.M.NEEDED PER DELIVERY 100 KG. (Tons)	ANNUAL OUTPUT (Tons)	REQUIRED RAW MATERIAL
Aneasthetic	Procaine Hydrochloride -	1,100	1,500	16,500
Astringent	Albumin tannate	8	25,000	1,500
Antiasthma	Ephedrine Hydrochloride -	400	1,000	4,000
Neuralgia	Cinchophen - - -	200	1,000	2,000
Nurve quieter	Aleviatin - - -	1,500	2,000	30,000
Rats-Killer	Antu	150	2,500	3,750
Sweetener	Soluble Saccharin - -	200	1,000	2,000
Stimulant	Philopon - - -	20	500	100
Disinfectant	Aceto-Sulphamin - -	300	4,000	12,000
Diuretic	Choleretin - - -	1,300	500	6,500
Kiyokuho Seizai	Potasium Bromide - - -	300	20,000	60
Luluphone Amid	Region Natriam - - -	300	2,000	6,000
Laxative	Visatin - - - -	160	1,000	1,600
Heart-Medicine	Amino coldin - -	300	2,000	6,000
			Total	92,010

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Nippon Kaseihin (Organic Chemicals) Association ,
Osaka Branch .
59, 2-chome, Kitakyuhoji-cho, Higashi-ku, Osaka.

October, 22th, 1946 .

Major Wheaton ,
The Osaka Military Government Team ,
Osaka .

P E T I T I O N

Dear Sir ,

The removal of the manufacturing facilities of the Sakaide Factory of the Toa Gosei Kagaku Kogyo K.K.(Toa Gosei Chemical Industry Co.,Ltd. Sakaide Plant) as the manufacturers of pharmaceutical is considered too serious to be overlooked . And it is most earnestly entreated that through your special consideration the above mentioned factory will be exemped from the reparation claims .

Our explanation for the petition are given on the papers herewith attached .

Respectfully yours ,

Nippon Kaseihin (Organic Chemicals) Association, Osaka Branch .

Manager B.Torii

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

P E T I T I O N

Petitioner : Nippon Kaseihin (Organic Chemicals) Association, Osaka Branch .

Address : 59, 2-chome, Kitakyuhoji-cho, Higashi-ku, Osaka .

The Nippon Kaseihin Association is a controling organization for manufacturing various Coal-tar delivertive products(eg, synthetic dyes and accelerators and anti-oxidants for rubber industries, organic photographic chemicals and artifical sweetener) As is known, these products play an important role in the daily life of people , as exportable articles also raw material for other needful products . All the factories concerned haveing been exerting their very best in overcoming various overwhelming difficulties , their production have now just reached the sphere that they may be able to make the following quarterly project of production in Kinki District .

Expected Production

Oct.-Dec. 46

Items	Kinds	Amount kg.
Coal-tar Intermediates	2	12,900
Synthetic Dyestuffs	14	125,500
Accelerators and Anti-oxidants	6	51,000
Artificial Sweetener	2	21,000

For the satisfactory production of various organic chemicals, it is absotulely necessary to secure the supply of Soda Chemicals, especially hydrochloric acid is one of the most important articles . In fact, in order to materialize the above mentioned figures, at least 361 tons of Hydrochloric acid is needed , failing which, 90% of the total production would be very badly hampered .

Practically all the manufacturers of Coal-tar products in Kinki district have usually been obtaining their supply of hydrochloric acid from the works inChugoku and Shikoku for traffical conveniences , thus through the present reparation designation of all prominent factories in the said districts,

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

the foundation of chemical industries in Kinki dist. will be seriously threatened, in result, all those important organic chemical industries, eg. drugs, dyestuffs, rubber etc. will become stand still .

Under these circumstances, it is the keenest desire of the petitioner that at least one hydrochloric acid factory existing in Shikoku and Chugoku districts should be exempted from the reparation question in order to maintain the marginal productive activities of organic chemicals in Kinki dist., thus in our humble judgement , the Sakaide works of the Toa Gosei Kagaku Kogyo K.K. would be the best and most appropreate one from the view point of any angle viz.,, their equipment, scale, their capacity much more their location .

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

October 22 1946.

Major Thenton
The Osaka Military Government Team,
Osaka.

PETITION

Dear Sir:

The removal of the manufacturing facilition of the Sakaide Factory of the Toa Gosei Kagaku Kogyo K.K. (Toa Gosei Chemical Industry Co., Ltd. Sakaide Plant) is too serious to be overlooked for our oganization. And it is most eagerly entreated that under your especial treatment, the Sakaide Factory mentioned above, will be exempted from reparation claims.

Our Explanations for the request are given on the attached papers.

Respectfully yours,

Nakagawa Fusajiro, Osaka Senzai Seihin Shisetsu Kumiai.
783, Toyoura Hirakatamachi,
Nakagawachigun, Osakafu.

F. Nakagawa

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 75013

P E T I T I O N

Petitioner: Nakagawa Fusajiro Senzai(Osaka) Seihin Shisetsu Kumiai.

Address : 783 Toyoura Hirakatamachi, Nakagawachigun, Osakafu.

This organization consists of the manufacturers of Nails, iron wires and zinc galvanized needle wire, and its purpose is to improve and develop the business in which they are engaged.

Luckily, none of the members of the Association suffered war damages, and at present they are making their best efforts in their respective field of industry. Thus they are contributing to the nation to no small extent by supplying their products both to the Governmental and civilian consumers. Further, no small amount of their products - chiefly, nails and wire net, are supplied to the Allied Forces for use in their building construction.

The names and quantity of the products the member manufacturers madeduring the past six months of this year, may be summed up in the following table.

Chief Products	Production from Apr. to Sept.	Usage
Ordinary Iron Wire	2,400 tons	Nails, rivets, screws, special needle, civil engineering materials.
Small iron wire	180 tons	Wire nets.
Zinc Galvanized Iron Wire	300 tons	Wire nets, Tag Wire
Hard Steel wire	650 tons	Wire rope, needles, Umbrella ribs.
Nichiome wire	50 tons	Electric implements
Nails	1,200 tons	Buildings. boxes

As is illustrated above, a large quantity of nails are used in construction of buildings and many other constructive work, Nichiome wire is consumed in no small amount for use in electric ranges, similar implements, and many other necessaties of life.

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The amount of hydrochloric acid used in producing articles listed in the above table, may be shown as follows:-

Products	Amount of Production.	Hydrochloric Acid used	Amount of H.A. for ton of Product
Ordinary iron wire	8,400 tons	72,000 kg.	30 kg.
Small steel wire	180 "	10,800 "	60 "
Small Zinc Galvanized iron wire	300 "	27,000 "	90 "
Hard Steel wire	650 "	18,500 "	30 "
Nichiome wire	50 "	4,500 "	90 "
Nails	1,200 "	38,000 "	30 "
	Total	168,800 kg.	

As the above statistics demonstrate hydrochloric acid is the most important auxilliary raw material. As the supply of hydrochloric acid decreases, so the production of the member manufacturers declines. Finally, it may be that the entire factories would be obliged to suspend their operation. In that case, needless to say the manufacturers themselves and their workmen, the life of the members of their families would be threatened. Should this happen the case would be very serious because the rehabilitation work now under way will suffer and the production of daily necessities will be greatly be hampered.

The Sakaide plant of the Toa Gosei Kagaku Kogyo K.K. is geographically conveniently located, and its production is the largest for a single manufacturer. For these reasons, practically all the members of the Association have been using the product of this Company in large quantities. Should this Company suspend its operations, therefore, not only the members of the Association, but also many other factories using hydrochlori acid would greatly be disturbed. The matter is exceedingly serious.

The case at least demands the careful attention of those who wish to help promote the rehabilitation work of a new Japan. Would you be good enough to look into the matter once again, and arrange so that the Sakaide plant would be able to continue its operations hithertofore?

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

MEMBERS OF THIS ASSOCIATION

Names of Factories	Names of Representatives
Hashimoto Kosensho Hiraoka Kojo	Azumano Harukatsu
Nisshin Kogyo Yogen Kaisha	Nakagawa Fusajiro
Nichia Seiko K.K.Hiraoka Kojo	Isoyama Masaji
Nichia Seiko K.K.Nukata Kojo	Izumi Giichi
Nihon Seisenki Kogyosho	Miyazaki Kozo
Nishimura Seisensho	Nishimura Yasuichi
Nishimura Byokugi Kogyosho	Nishimura Ushimatsu
Nihon Seibyo Kabushiki Kaisha	Shimokawa Sadaji
Nichia Seiko K.K. Fuse Kojo	Kitamori Yasuo
Toyokuni Hatsujo K.K.Nukata Kojo	Kinoshita Masaji
Okukane Tokushu Tekko Sizosho	Oku Kaneo
Osaka Migaki Shafuto Yogen Kaisha	Takahashi Shigejiro
Osaka Kogyo K.K. Fuse Kojo	Masuda Seiichiro
Tanaka Seisensho	Tanaka Yoshitaro
Takeda Tessen Kojo	Takeda Manjiro
Taisho Tekkosen Seizosho	Nagao Tokiji
Taiyo Senzai Kogyo K.K.	Nakagawa Fusajiro
Taketomo Tokushu Kinzoku K.K.	Taketomo Tsunesaburo
Daiko Kosakusho	Ota Jintaro
Tateno Kinzoku Kogyosho	Tateno Kenji
Takada Kosakusho	Takada Uichi
Negishi Tessen Kojo	Negishi Yasugoro
Kurahashi Shinsen Kojo	Kurahashi Senji
Yamanishi Ki Seisensho	Yamanishi Kiichi
Yamaguchi Chozo Shinsen Kojo	Yamaguchi Chozo
Gomei Kaisha Yamamoto Seisensho	Yamamoto Toraichi
Marusan Seisensho	Aoki Inosuke

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

(2)

Names of Factories	Names of Representatives
Maruhachi Tokushu Kinzokuyozai Kogyosho, Hiraoka Kojo	Harada Saikichi
Maruemu Seisakusho Hiraoka Kojo	Tajima Tonekichi
Shoei Seisen Kogyo K.K.	Matsui Haruhiko
Matsuda Seisen Kojo	Matsuda Jiro
Fuji Jukogyo Yugen Kaisha Hiraoka Kojo	Matsuo Nisuke
Fujita Sarisen Seisakusho	Fujita Kenji
Osaka Seiko K.K.Hiraoka Kojo	Nakanishi Fukumatsu
Osaka Shintetsu Kogyo K.K. Hiraoka Kojo	Sakurai Yasugoro
Osaka Seisenkiko Kabushiki Kaisha	Inoue Sadakichi
Kongo Kosakusho	Iwamoto Rikutaro
Kobe Seikosho Amagasaki Kojo Daini Seisenka	Shimizu Yoshio
Teikoku Kanaami K.K., Miraoka Seisensho	Tsuruhara Tatsuzo
Sankyo Kinzoku Kogyosho	Nakano Masuzo
Sakura Tokushiko Shinsen K.K.	Shimizu Ryoichi
Sakurai Ganetto Haiya Seisakusho	Sakurai Denjiro
Sakurai Seisakusho	Sakurai Shinzo
Nakagawa Shigeru Shinsen Kojo	Nakagawa Shigeru
Nojiri Shinsen Kojo	Nojiri Shigetaro
Kusumoto Shinsen Kojo	Kusumoto Masao
Kamei Tekkosen Seizosho	Kamei Shigekichi
Kitai Seisakusho	Kitai Shotaro
Kita Kosakusho	Kita Yuji
Fuse Seisensho	Aoki Akira
Showa Shinsen Kojo	Ikeda Hatsutaro
Hinomaru Seisen Kojo	Okada Ikuei

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Names of Factories	Names of Representatives
Hiraoka Godo Seisen K.K.	Asada Yataro
Koa Senzai Kogyosho	Miki Yoriaki
Hiraoka Kinzoku Kogyo Yugen Kaisha	Irie Takezo
Koa Seisakusho Hiraoka Kojo	Tatokawa Toshitake
Godo Tessen Kabushiki Kaisha	Danno Tasaburo
Morimoto Shinsen Kojo	Morimoto Gensaburo
Sugimoto Ikeisen Kogyosho	Sugimoto Seiichi
Imanaka Seisensho	Imanaka Ushimatsu
Shikishima Senzaisehin Kogyo Kabushiki Kaisha, Fuse Kojo	Nishiyama Riichi
Nishida Seisensho	Nishida Sakichi
K.K. Yamanaka Seisensho	Yamanaka Shigeki
Daito Seiteisho	Yamaguchi Buekichi
Nichiwa Seitei Kogyo K.K.	Onaga Shigetaka

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 75013

October 22 1946.

Major Wheaton
The Osaka Military Government Team,
Osaka.

PETITION

Dear Sir:

The removal of the manufacturing facilities of the Sakaide Factory of the Toa Gosei Kagaku Kogyo K.K. (Toa Gosei Chemical Industry Co., Ltd. Sakaide Plant) is too serious to be overlooked for our oganization. And it is most eagerly entreated that under your especial treatment, the Sakaide Factory mentioned above, will be exempted from reparation claims.

Our Explanations for the request are given on the attached papers.

Respectfully yours,

Kosakai Katsu, Director General
Osaka Kugi Harigane Kogyo Kumiai.

K. Kosakai

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

PETITION

Petitioner: Osaka Kugi Harigane Kogyo Kumiai,
Director General, Kosakai Katsuji.

Address :

This is an industrial association consisting of nine manufacturers in Osaka and Kyoto prefectures and their chief business is to manufacture nails, needle wires and iron wire of many descriptions which are indispensable for the reconstruction work of a new Japan. The importance of these products as rehabilitating materials of dwelling houses, for construction of residence for the families of the Allied Forces and as packing materials of exportable goods.

In course of making the products mentioned above, hydrochloric acid is the most important and indispensable by-product as a rinsing chemical and it has been obtained so far through the Soda Sales Kabushiki Kaisha, its distributer. But in view of its ever growing demand, its supply has been so small that the manufacturing of those important articles has been greatly hampered.

In view of the above circumstances, it was quite distressing to us, manufacturers concerned, to learn that the Toa Gosei Kagaku Kogyo K.K. (Sakaide, Nagoya and Fushiki), one of the most important producer of hydrochloric acid is included in the list of reparation factories specified by the Allied Forces, and that the operations of the factories were obliged to suspend. These circumstances are presenting to us unsurmountably difficult problems.

Suppose for a moment that the working factories of the Toa Gosei Kagaku Kogyo K.K. were definitely closed down. Then the supply of hydrochloric acid will be cut down with the result of the greatly decreased production of nails, needle wire and iron wires. Without these construction materials, the rehabilitation work of the country which is now well on its way in industries, building construction and many other branches, would be impossible. It is beyond discription, therefore, how much the people of Japan would suffer due to the removal of this single industrial plant.

In the light of above analysis it is most eagerly entreated that you would have some sympathy upon our plight and arrange so that the productive facilities of the Toa Gosei Kagaku Kogyo K.K. will be exempted from reparation claims.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

LIST OF THE MEMBERS

Names of the Companies	Address
Hokoku Seisen Kabushiki Kaisha	126, Nukata, Miraoka-machi, Nakakawachigun, Osakafu.
Oyodo Kogyo Kabushiki Kaisha	54, 2-chome, Imabashinaka, Jotoku, Osakashi.
Murata Sangyo Kabushiki Kaisha	Kawabe-machi, Higashi kujo, Shimokyoku, Kyotofu.
Maruju Kogyo Kabushiki Kaisha	927, Imazumachi, Jotoku, Osakashi.
Abisu Kogyo Kabushiki Kaisha	18, 5-chome, Wraokita, Oyodoku, Osakashi.
Kitsugawa Seisen Kabushiki Kaisha	32, Shinchisato-machi, Taishoku, Osakashi.
Hirano Kogyo Kabushiki Kaisha	378, Tachibana-machi, Kamimura Nakakawachigun, Osakafu.
Hinode Seisen Kabushiki Kaisha	927, Imazu-machi, Jotoku, Osakashi.
Settsu Tessen Kabushiki Kaisha	22, 3-chome, Daikai-machi, Fukushimaku, Osakashi.

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Capt Charbonnel

RADIOGRAM

24/1824 (Received 25 Oct 46)

FROM: CG EIGHTH ARMY APO 343

TO : CO SHIKOKU MG APO 317

MESSAGE PD UK SCAP PD HAS INSTRUCTED THE JAPANESE GOVT THAT THE TAO GOSEI KAGAKU KOGYO KK CMA SAKAIDE CMA KAGAWA PREFECTURE WILL BE SHUT DOWN 20 OCT 46 PD SUMITOMO KAGAKU KOGYO KK CMA NIIHAMA CMA EHIME PREFECTURE NOT NOW BEING IN OPERATION WILL CONTINUE DORMANT PD CITE D 99321 MG PD

EICHELBERGER

1 - Capt. Witherspoon
2 - Kagawa
2 - Ehime

9

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 75013

HEADQUARTERS
KAGAWA MILITARY GOVERNMENT TEAM
(Takamatsu, Shikoku)

ENH/JLH/gwc

APO 317
8 October 1946

AG 004.04

SUBJECT: Petition for Removal from Reparations Selections within the Soda Ash and Caustic Soda Industries - Toa Yosei Kagaku Kogyo K. K. Sakaide-shi, Kagawa-ken.

THROUGH: Commanding Officer, Shikoku Military Government Region, Hq & Hq Det, APO 317.

TO : Commanding General, Eighth Army, APO 343.

1. Reference is made to memorandum for the Japanese Government - SCAPIN - 1129, dated 13 August 1946, subject: "Reparations Selections within the Soda Ash and Caustic Soda Industries".

2. Attached petitions indicate that the main reason to retain subject factory in Shikoku is the rail and water transportation difficulties involved. Petitioning organizations, which are dependent upon subject factory to operate, are convinced that the above mentioned difficult rail and water transportation of necessary goods from some other source in Japan will slow down, if not actually force their concerns out of business; said concerns comprising a large percentage of the industrial life of Shikoku.

3. Investigation by this Headquarters shows that petitioning concerns are dependent upon the products of subject company. It has further been found that the contention of rail and water transportation difficulties is a fact.

4. It is requested that this Headquarters be advised whether subject factory be reconsidered on the list of Reparations Selection within the Soda and Caustic Soda Industries.

FOR THE COMMANDING OFFICER:

JAMES L. HARCROW
Captain, AC
Adjutant

1 Incl:

Petition for Removal
from Reparation List (3 copies)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Capt. Witherspoon

Basic: Ltr, Kagawa Military Government Team, APO 317, dtd 8 October 1946, subj: "Petition for Removal from Reparations Section within the Soda Ash and Caustic Soda Industries - Toa Gosei Kagaku Kogyo K.K. Sakaide-shi, Kagawa-ken"

AG 004 1st Ind. BHW/ILB/msi

Shikoku Mil Govt Region Hq & Hq Det, APO 317 10 October 1946

TO: Commanding General, Eighth Army, APO 343
Attn: Mil Govt Section

1. Toa Chemical Industry K.K. is considered to be essential to the economy of Shikoku by this Headquarters.

2. In addition, at a conference of all governors & staffs of Shikoku, Toa and Nippon Hasseden K.K., Tokushima Ken, Steam-Electric plant, were recommended by all present as being essential. A petition to that effect was sent through Japanese channels. No other reparations factories on Shikoku were recommended by all present at the conference.

3. Approval of removal from Reparations List is recommended.

FOR THE COMMANDING OFFICER:

IVAN L. BOGERT
1st Lt., SnC
Adjutant

1 Incl:
n/c

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

#2

PETITION FOR REMOVAL

FROM

REPARATION LIST

TOA GOSEI CHEMICAL
INDUSTRY CO., LTD.,
SAKAIDE PLANT.

CONTENS: A. Petition for Removal from Reparation List.

B. References:

1. Two Letters.

2. Two Lists.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

TOA GOSEI CHEMICAL INDUSTRY CO., LTD.
SAKAIDE PLANT
SAKAIDE, KAGAWA KEN
SHIKOKU.

21 September, 1946.

Subject: Petition for Removal of Sakaide Plant of Toa Gosei Chemcal Industry Co., from Reparation List.

To : Commanding Officer, Kagawa Military Government Team.

Through: Liaison Office, Kagawa Ken.

A. Outline of Sakaide Plant.

a. Name of plant: Sakaide Plant, Toa Gosei Chemical Industry Company, Ltd.

b. Location : No.611-17, Higashihama, Sakaide-Cho, Sakaide City, Kagawa Ken.

c. Date of first operation: 10 April 1936.

d. Brief History of the Company:

(1) Tokai Soda Industry Company was founded in Nagoya in 1917.

(2) Sakaide Plant was established as Shikoku Soda Industry Company in July 1935.

(3) Toa Gosei Chemical Industry Co. was organized by consolidation with other companies in June 1944.

e. Products: Liquid Chlorine
Hydrochloric Acid
Bleaching Powder
Caustic Soda.

f. Number of employee: 166

B. Reasons of Petition for Removal from Reparation List:

The Sakaide Plant of the Toa Gosei Chemical Industry Co., Ltd. has been designated as a reparation plant by SCAP Memo for IJG (SCAPIN-1129), dtd 13 August 1946.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Subject: Reparation Selections within the Soda Ash and Caustic Soda Industry.

According to our understanding, the reparation selections have been made by the following two major principles.

1. Removal of militalistic industrial installation.

2. Remaining of proper industrial installation which is necessary for Japanese economy.

We should like to show our best thanks for the Occupation Forces, as you help us to build up democratic Japan.

However, the shutting down and removal of Sakaide Plant will undoubtedly give a big shock to various industries which are depending upon it and threaten the economic life of the Japanese people in this district.

The shutting down of Sakaide Plant inevitably brings the suspension of many industries such as rayon industry, bittern industry, chemical industrial goods, food industry, bleaching industry, paper manufacturing, soy, soap, silkworm, and other hygienic line, etc. which have the vital connection with national living in Shikoku and Chugoku area.

Indeed chemical industries and indespensable industries for national living in Shikoku and Chugoku area must entirely stop their operation and industrialist and laborers also must lose their jobs.

We believe that Occupation Forces is concerned with maintaining lowest national living in this area.

We earnestly beg you to remove Sakaide Plant from Reparation List in order to keep healthy development and rebuilding of Japanese economy.

We should like to explain the necessity of remaining Sakaide Plant by more detailed data and statistics as follows:

1. Liquid chlorine which we produce is being used as necessary material in manufacturing Bittern (an important fertilizer) and at the same time, is important disinfectant.

It is being used as disinfectant by the Occupation Forces in Kansai area.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Also it is being used as main material for making Fleon Gas, which is needed under "the Dependency Housing Program for the Allied Powers and Their Dependents" in Japan.

Moreover, Sakaide Plant is only one which can provide liquid chlorine satisfactorily in Kansai area.

If Sakaide Plant is shut down, the supply of liquid chlorine may have terrific difficulties.

Monthly production amount of liquid chlorine of Sakaide Plant is 60 tons.

References:

a. Letter Osaka Military Government Team to Kagawa Military Government Team, dtd 17 August 1946.

Subject: Expediting of Emergency Chlorine Supply of Osaka City.

b. Letter Eighth Army Military Government Section Procurement Branch to Station Master of Sakaide, Kagawa Prefecture, dtd 13 September 1946.

Subject: Transportation of Liquid Chlorine.

c. List of actual production amount and the relation of supply and demand at every kind of goods.

2. Sakaide Plant occupies an important position in economic and industrial circles in Shikoku through its products.

As we stated, many industries depend upon Sakaide Plant.

If Sakaide Plant is shut down, many industries must entirely collapse.

a. Liquid Chlorine:

(1) Use: Disinfectant of water, Material of Bittern manufacturing, Material of Fleon Gas, etc.

(2) Ratio of product supplied by Sakaide Plant to whole supply. 100%

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

b. Hydrochloric Acid:

(1) Use: Medicament, Inorganic medecine, Condiments specially Soy, (Shikoku is the main productive centre of soy in Japan) Machine manufacturing, etc.

(2) Ratio of product supplied by Sakaide Plant to whole supply. 84%

c. Bleaching Powder:

(1) Use: Paper bleaching, Cloth bleaching (Shikoku is a centre of paper and cloth bleaching in Japan)

(2) Ratio of product supplied by Sakaide Plant to whole supply. 100%

d. Caustic Soda:

(1) Use: Soap, Fibre, Paper manufacturing, etc. (Most of Fibre is being exported by Link-System in order to import food and the indispensable goods.)

(2) Ratio of product supplied by Sakaide Plant to whole supply. 17%

(With regarding to Caustic Soda for Soap, we are supplying the full demand (100%) in Shikoku districts.)

Reference: The investigated list of supply and demand of Liquid Chlorine etc., at every district.

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3. Sakaide Plant is one of the most potential plants in Japan as far as liquid chlorine, hydrochloric acid, bleaching powder and caustic soda are concerned.

If Sakaide Plant is shut down, none of potential plants is left in Kansai area.

It may bring a bad effect on rebuilding of Japanese economy.

(a) Only one running plant is left in Kansai Area.

Takasago Plant, Kanegabuchi Industry Co. (Hyogo Ken)	Capacity is less than ½ of that of Sakaide Plant.

(b) Two non-running plants will be reopened in Kansai Area.

Wakayama Plant, Nankai Chemical Co.(Wakayama Ken)	Capacity is less than ½ of that of Sakaide Plant.
Naniwa Gosei Plant (Osaka)	-"-

(c) Six other plants will take more than one year before the operation in Kansai Area.

Amagasaki Plant, Osaka Caustic Soda Co. (Hyogo Ken)	Damaged by flood.
Amagasaki Plant, Yura Chemical Co. (Hyogo Ken)	-"-
Toa Koko Company (Osaka)	Damaged by war.
Yamatogawa Senko Co. (Osaka)	Long term suspension.
Tosa Plant, Nankai Chemical Co. (Shikoku)	Damaged by war.
Okayama Plant, Nissin Chemical Co. (Okayama)	Long term suspension.

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(d) It is said that plants which will remain under Japanese control have ample capacity for these products and existing shortages result from the lack of raw materials.

And it is estimated that plants which will remain can produce 85,000 tons annually.

However, according to our estimation, they can not produce more than 40,000 tons annually and existing shortages are not only due to lack of raw materials, but also to obsolescence and damages of machinery and equipment in plants which will remain as we stated above.

Moreover, we understand that it can hardly be accomplished to provide these products to Kansai area from other area at the present transportation situation.

Anyway, maldistribution of caustic soda industry is not desirable.

K. Yamaoka

Head of Toa Gosei Chemical
Industry Co., Ltd.
Sakaide Plant.

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INDEX OF REFFERENCES

a. Letter Osaka Military Government Team to Kagawa Military Government Team, dtd 17 August 1946.

Subject: Expediting of Emergency Chlorine Supply for Osaka City.

b. Letter Eighth Military Government Section procurement Branch to Station Master of Sakaide, Kagawa Prefecture, dtd 13 September 1946.

Subject: Transportation of Liquid Chlorine.

c. List of actual production amount and the relation of supply and demand at every kind of goods.

d. The investigated list of supply and demand of Liquid Chlorine etc., at every district.

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H E A D Q U A R T E R S
OSAKA MILITARY GOVERNMENT TEAM
APO 660(OSAKA, HONSHU)

SAB/ft

Copy

17 August 1946

SUBJECT: Expediting of Emergency Chlorine Supply for Osaka City

TO : CO, Kagawa Military Government Team

1. Due to recent occurrence of a number of cases of cholera in this city, it was deemed advisable to treble the chlorine content of the Osaka water supply for three weeks.

2. Inorder to do this, a supply of five tons of chlorine is necessary.

3. The Sakaide City branch of the Toa Gosei Kagaku Kogyo factory has a supply available.

4. It is requested that your organization take the following steps:

a. Expedite the procuring of this chlorine by a representative of the Osaka water works who will travel to Shikoku in a few days.

b. Furnish him with necessary credentials to ship the chlorine to Osaka.

FOR THE CONMANDING OFFICER:

H. N. WEINREBE
Captain CWS
Adjutant

Letter following thru channels

SVEN A. BACH
CAPTAIN, MC
PUBLIC HEALTH OFFICER
OSAKA MIL GOVT TEAM

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17513

HEADQUARTERS EIGHTH ARMY
Military Government Section
Procurement Branch
APO 343

Copy

13 September 1946

Subject: Transportation.

To : The Station Master of Sakaide, Kagawa Prefecture.

This is to certify that Osaka Kinzoku K.K. (Chemical Works), Osaka Pref., is manufacturing Fleon Gas for Electric Refrigerators vitally needed under "the Dependency Housing Program for the Allied Powers and Their Dependents".

Request you give your immediate and personal attention for transportation of

100 Bottles (each containing 50 kilogram)of
Liquid Chlorine, main material for making
Fleon Gas

from Sakaide, Kagawa Pref., to Suita, Osaka Pref., as this stuff is urgently required.

Le Roy H Pecar

Le Roy H. Pecar, 1st Lt.
Procurement Expiditor

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List of the actual production amount and the relation of supply and demand at every kind of goods.

Kind of goods			CAUSTIC SODA	HYDRO-CHLORIC ACID	BLEACH-ING POWDER	LIQUID CHLORINE
Quantity of demand in Kansai area (A)			5,327	2,800	1,600	180
The present efficiency at every plant in Kansai area	Non-Reparation	Naniwa Gosei Plant	342	450	300	---
		Kanebo Takasago Plant	405	270	96	---
		TOTAL (B)	747	720	396	---
	Reparation	Mitubishi Yodogawa Plant	360	660	30	---
		Toa Gosei Sakaide Plant (C)	900	975	375	180
		TOTAL	1,260	1,635	405	180
Present efficiency		GENERAL TOTAL (D)	2,007	2,355	801	180
Ratio of supply to demand		B/A	14%	26%	40%	---
		D/A	38%	84%	80%	100%
Real products in Kansai area		Real quantity of products (E)	941	830	233	71
		Ratio of products to demand E/A	18%	30%	23%	40%
Ratio of the present efficiency of Sakaide Plant to real products in Kansai area C/E			44%	41%	47%	100%

Remarks:
1. This list is concerned only running plants in Kansai area at the end of August.
2. This is the investigation during the latest 3 months.
3. The unit used here is ton.

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THE INVESTIGATED LIST

OF

SUPPLY AND DEMAND OF

LIQUID CHLORINE ETC.,

AT EVERY DISTRICT.

CONTENTS:

1. Liquid Chlorine
2. Hydrochloric Acid
3. Bleaching Powder
4. Caustic Soda

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

From: August 1945
To : July 1946

L I Q U I D C H L O R I N E

(unit ton)

Districts \ Use		RUNNING WATER	BITTERN	THE OTHERS	TOTAL
Kagawa-Ken	A	1.6	21.9	0	23.5
	B	0.2	21.3	0	21.5
	C	0.2	21.3	0	21.5
	C/A	12.5%	97.2	0	91.5%
	C/B	100.0%	100.0%	0	100.0%
Ehime-Ken	A	0.9	0	10.1	11.0
	B	0.1	0	10.1	10.2
	C	0.1	0	10.1	10.2
	C/A	11.1%	0	100.0%	92.6%
	C/B	100.0%	0	100.0%	100.0%
Kochi-Ken	A	1.2	0	0	1.2
	B	0.1	0	0	0.1
	C	0	0	0	0
	C/A	0	0	0	0
	C/B	0	0	0	0
Tokushima-Ken	A	0.6	8.5	0.9	10.0
	B	0	5.5	0	5.5
	C	0	5.5	0	5.5
	C/A	0	64.6%	0	55.0%
	C/B	0	100.0%	0	100.0%
TOTAL	A	4.3	30.4	11.0	45.7
	B	0.4	26.8	10.1	37.3
	C	0.3	26.8	10.1	37.2
	C/A	7.0%	88.1%	91.7%	81.4%
	C/B	75.0%	100.0%	100.0%	100.0%

Remarks: A. Quantity of demand at every prefecture.
B. Quantity supplied by the "Soda Distributing Co., Ltd."
C. Quantity supplied by the "Toa Gosei Chemical Industry Co., Ltd., Sakaide Plant."

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From: August 1945
To : July 1946.

HYDROCHLORICACID

(unit ton)

Districts \ Use		Medicament	Inorganic Medecine	Condiments	Machine Manufacturing	The Others	TOTAL
Kagawa-Ken	A		57.0	320.2	0.7	35.5	413.4
	B		163.7	191.3	3.8	9.5	368.3
	C		163.7	131.3	3.8	9.5	308.3
	C/A		287.0%	41.0%	543.0%	27.0%	77.0%
	C/B		100.0%	69.0%	100.0%	100.0%	84.0%
Ehime-Ken	A	2.5		15.7	2.3	93.0	113.5
	B	0		0	0	2.0	2.0
	C	0		0	0	2.0	2.0
	C/A	-		-	-	2.0%	2.0%
	C/B	-		-	-	100.0%	100.0%
Kochi-Ken	A			2.0	0.9	0.7	3.6
	B			0	0	0.2	0.2
	C			0	0	0.2	0.2
	C/A			-	-	29.0%	6.0%
	C/B			-	-	100.0%	100.0%
Tokushima-Ken	A	24.5		29.4	0.9	11.1	65.9
	B	22.0		20.4	0.1	0.1	42.6
	C	22.0		15.0	0.1	0.1	37.2
	C/A	90.0%		51.0%	11.0%	0.9%	56.0%
	C/B	100.0%		74.0%	100.0%	100.0%	87.0%
TOTAL	A	27.0	57.0	367.3	4.8	140.3	596.4
	B	22.0	163.7	211.7	3.9	11.8	413.1
	C	22.0	163.7	146.3	3.9	11.8	347.7
	C/A	82.0%	287.0%	40.0%	81.0%	8.0%	58.0%
	C/B	100.0%	100.0%	69.0%	100.0%	100.0%	84.0%

Remarks:
A. Quantity of demand at every prefecture.
B. Quantity supplied by the "Soda Distributing Co., Ltd."
C. Quantity supplied by the "Toa Gosei Chemical Industry Co., Ltd., Sakaide Plant."

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From: August 1945
To : July 1946.

B L E A C H I N G P O W D E R

(unit ton)

Districts \ Use		PAPER MILL	HANDFILTER PAPER	THE OTHERS	TOTAL
Kagawa-Ken	A	21.3	2.9	9.5	33.7
	B	15.2	2.9	5.9	24.0
	C	15.2	2.9	5.9	24.0
	C/A	71.0%	100.0%	62.0%	71.0%
	C/B	100.0%	100.0%	100.0%	100.0%
Ehime-Ken	A	81.6	25.1	29.0	135.7
	B	81.6	18.7	21.6	121.9
	C	81.6	18.7	21.6	121.9
	C/A	100.0%	75.0%	74.0%	90.0%
	C/B	100.0%	100.0%	100.0%	100.0%
Kochi-Ken	A	173.7	54.4	7.9	236.0
	B	109.4	15.8	1.9	127.1
	C	109.4	15.8	1.9	127.1
	C/A	63.0%	29.0%	24.0%	54.0%
	C/B	100.0%	100.0%	100.0%	100.0%
Tokushima-Ken	A	21.2	3.7	0.9	25.8
	B	4.5	3.7	0	8.2
	C	4.5	3.7	0	8.2
	C/A	21.0%	100.0%	-	32.0%
	C/B	100.0%	100.0%	-	100.0%
TOTAL	A	297.8	86.1	47.3	431.2
	B	210.7	41.1	29.4	281.2
	C	210.7	41.1	29.4	281.2
	C/A	71.0%	48.0%	72.0%	65.0%
	C/B	100.0%	100.0%	100.0%	100.0%

Remarks:
A. Quantity of demand at every prefecture.
B. Quantity supplied by the "Soda Distributing Co., Ltd."
C. Quantity supplied by the "Toa Gosei Chemical Industry Co., Ltd., Sakaide Plant."

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8 8

From: August 1945.
To : July 1946.

C A U S T I C S O D A

(unit ton)

Districts \ Use		SOAP	FIBRE	PAPER	THE OTHERS	TOTAL
Kagawa-Ken	A			5.9	107.7	113.6
	B			5.9	5.1	11.0
	C			5.9	0.1	6.0
	C/A			100%	-	5.0%
	C/B			100%	2%	55.0%
Ehime-Ken	A	5.8	1,474.4	58.1	1,457.3	2,995.6
	B	5.8	933.7	26.3	995.8	1,961.6
	C	5.8	298.1	12.6	0.1	316.6
	C/A	100%	20.0%	22.0%	-	11.0%
	C/B	100%	32.0%	48.0%	-	16.0%
Kochi-Ken	A			117.3	185.0	302.3
	B			29.6	3.8	33.4
	C			10.4	5.0	15.4
	C/A			9.0%	3.0%	5.0%
	C/B			35.0%	132.0%	46.0%
Tokushima-Ken	A	9.0	649.0	5.1	369.7	1,032.8
	B	4.0	128.3	0	252.6	384.9
	C	5.0	70.4	0	0	75.4
	C/A	56.0%	11.0%	-	-	7.0%
	C/B	125.0%	55.0%	-	-	20.0%
TOTAL	A	14.8	2,123.4	186.4	2,119.7	4,444.3
	B	9.8	1,062.0	61.8	1,257.3	2,390.9
	C	10.8	368.5	28.9	5.2	413.4
	C/A	73.0%	17%	16,0%	0.2%	9.0%
	C/B	110.0%	35.0%	47.0%	0.4%	17.0%

Remarks:
A. Quantity of demand at every prefecture.
B. Quantity supplied by the "Soda Distributing Co., Ltd."
C. Quantity Supplied by the "Toa Gosei Chemical Industry Co., Ltd., Sakaide Plant."

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APPLICATION OF PETITION

FOR REMAINING

Oct 2, 46

THE TOA SYNTHETIC CHEMICAL
INDUSTRY CO., LTD.
SAKAIDE PLANT.

The Leaving Confederation of the Toa
Synthetic Chemical Industry Co., Ltd.
Sakaide Plant.

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October 2, 1946.

The Commander of ~~Ki~~ Kigawa Military Government. Team,
Takamatsu.

Dear Sir:

We bet to advise you that we have understood clearly about the compensation of Japan in this time, by the special publication of the Laiaison Office, and this measure of compensation consist of the two points for withdrawal of military industrial institution and leave the proper institution to maintain the national living in democratic state.

Kindly note that we are showing our best thanks for the Allied Powers, as you help us to build up democratic Japan, but the ~~m~~instraction in this time gave the big shock to the Japan Industry, and also have the various influences in every industrial circles.

Sepecially the compensation of our Sakaide Plant have big and deep influences for middle and small chemical factories in this distracts, besides have bad influence for the national lowest living.

As you know well, our factory has modern institution and are making caustic soda, hydrochloric acid, liquid chlorine and bleaching powder etc.

However by withdrawal of our plant we must suspend to must these goods, accordingly every factories in the live of Rayon,Brine, Chemical industrial goods, Food industry,

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Bleach, Paper nill, Soy Medicine, Soap, Silkworm and the other hygienic line etc.. which have the vital connection with national living, in Shikoku and Chugoku districts must also suspend to make them.

Indeed chemical industries and indespensable industies for national living in Shikoku and Chugoku districts must entirely stop and these operators and labourers also must lost their post.

Of course we belive that the Allied powers will take proper measure in order to maintain the national lowest living, by import the above goods. But we beg to strongly advise you that every industries in Japan after withdrawed the factory for compensation, must be rebuilt with reasonable efficiency under management of the Allied Powers. At that case industrial reorganization will be done on basis of scietific judgement and the smooth distribution for materials in the above districts is the key to decide about whether enable our related factories to bring reasonable efficienty or not and at the same time it is the problem for living or death of the operators.

In this connection our related factories hope earnestly to entirely leave "The Toa Synthetic Chemical Industrial Co., Ltd. Sakaide Plant."

And in case of entirely leave of factory is impossible we solicit sagerly to leave our old institution Diaphragm cell which we have now, and to succeed to make the minimum necessary production.

Hereupon you shall have our detailed explanation First

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of all kindly note that this factory was establised in the peaceful times, 11th of Showa, on basis of strong desire of the related factories here, and Shikoku district is entirely surrounded by sea, consequently it is in difficulties to get raw materials in point of transportation, especially in bad weather. Secondly please note that this factory was established in Sakaide which is the centre position of salt fields in our country, computing from the principal rule of that developement of industry is decided by raw material and its market, and besides it is to make contribution for promotion of local industry by supplying the materials to the related factories.

Thirdly we beg to advise you that small and middle chemical factories in Shikoku are very small scale, accordingly its labourers are also half farmer and half labourer and its typical example in paper mill will be shown by the fact of that there are two thousand three hundred and eighty two factories in Shikoku only.

At the end please pay your wise attention that factories in small scale cannot comply with the distribution at one time for big quantity of principal raw material, accordingly it is absolutely necessary to keep the factory of raw materials in Shikoku and to being received any small quantity of materials in success way.

In this connection, we had established this factory. However if this factory will be withdrawed, our peaceful idea will be thrown into confusion.

We think that the military meaning for same factory

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disappeared by acceptance of "Potzdam declaration" and declaration of renounce of war in the new constitution, so existence of the same factory is on absolutely peaceful idea and plan as same as in time of it was established.

Our middle and small factories were forced to pay big victin under military party during war, and after war it is very difficult to re-open industry, but we adjust properly enterprise on small scale and at present we can hardly re-open industry. Just this time, we have received the instructions and again we are suffering setback.

Your wise judgement will bring the proper measure about whether we can re-start to produce the goods or not.

We shall be very much pleased, if you kindly pay your wise judgement for our petition proposed with the detailed repart of existence and several statictics.

We are soliciting earnestly to leave "The Toa Synthetic Chemical Industrial Co., Ltd., Sakaide Plant" in order to promote the industry and to keep security of

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national living, and also to re-built up the economical industry and to realize democratic Japan.

Yours very truly,

Control Association of Brine goods
Industry, Shikoku branch, No.3780
Sakaide-cho, Sakaide city, Kagawa
prefecture.
Leaving Confederation of The Toa
Synthetic Chemical Industrial Co.,
Ltd., Sakaide Plant.

The standing committees:

Toyoji Fushimi-Fushimi Medicine Manufactory.
Hidetaro Hatta-Marutaka Paper Manufacturing Co.,Ltd.
Taichi Nakata-Ishikawaya Shikoku Chemical Industry, Co., Ltd.
Kazu Itami-Utazu Chemical Industry Co., Ltd.
Yoshio Fujishiro-Nippon Magnesium Co., Ltd.

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The written reason for leaving of
the Toa Synthetic Chemical Industry
Co., Ltd. Sakaide Factory.

A. PAPER INDUSTRY:

1. Paper industry for Japanese paper in Shikoku have made progress to the largest land of production, from old times produced them by use of "Mitsumata", "O" "Gampi" "Mulberry", which are special products in the mountain in the same district.

2. The condition for distribution of factory.

	Kagawa	Tokushima	Kochi	Ehime	
Manufacture by hand:	5	223	1281	873	2382
Manufacture by machine:	7	2	9	15	33

General total of operators: 12600

3. Main goods of Japanese paper.

Japanese paper of hand manufacture.

Tengucho paper, drawing paper, copying paper, improved paper, paper for the sliding door.

Japanese paper of machine manufacture.

paper for isolation of electric mire.
tissue paper, toilet paper, wrapper for food,
paper for the sliding door.
original paper for cloth.
Senka paper.

NOTE: Tengucho paper and paper for isolation of electric wire are goods for expost. Paper for sliding door, toilet paper are indispensable goods to our living and are indicated as No.1 Substance by The Department of Commerce and industry.
Wrapper for foods are used for wheat flowr in the place of craft paper.

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4. Relation between The Toa Synthetic Chemical Industry Co., Ltd., Sakaide Factory and paper manufacturing industry.
Paper manufacturing factories are situated in four prefectures of Shikoku as desoribed in (2) and Sakaide factory is in its centre and has facilities of transportation and communication by sea and on land.
Especially hand manufacture is such small consumer as family industry and can easily delivery even if small quantity by utilize the transportation on small scale.
Moreover they can utilize vessel without any loss and also can keep the close connection between producer and consumer.

5. Influence caus ed by withdrawal of The Toa Synthetic Chemical Industry Co., Ltd., Sakaide Factory.
Supposing to receive the industrial medicine from the houses outside Shikoku it is very difficult to get the small quantity of allotment and there is bad weather and dangerous transportation of berry boat between Uno and Takamatsu.
Especially if we cannot get bleaching powder and chlorine, we will not be able to make the standard quality of high class of Japanese paper.

B. CHEMICAL INDUSTRY AND MEDICAL INDUSTRY:

1. The raw material for Soda in chemical industry and medical industry, in Shikoku are supplied by the Toa Synthetic Chemical Industry Co., Ltd., Sakaide Factory from geographical standpoints. .

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2. The principle chemical medicine as been made from Soda.

Barium chloride, Zinc chloride, Dyestuff, Caustic barium.

Barium chloride is used for points paper manufacture etc., and are produced more than 60% of total quantity in Japan.

3. The Toa S. C. I. Co., Ltd., Sakaide Factory and chemical industry are situated on the coast of Inland Sea of Seto and have convenient transportation of land and water, with the same factory.

Soda medicine are always supplied in big quantity, so its distribution of raw material will not be done smoothly in case of bad weather and in bad transportation.

4. Influence after removed its pland of The Toa S.C.I. Co., Ltd., Sakaide Factory.

As stated above, to get the big quantity of Soda material from outside Shikoku bring some troubles as follows:

(a) Bad transportation between Uno and Takamatsu.

(b) Even if motor boat, we cannot transport systematically owing to bad weather in winter.

(c) Even if transportation by motor boat could be done, we must tranship at Honshu, so we must suffer big loss in point of time and expense.

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C. BRINE INDUSTRY:

1. Brine industry in Shikoku, especially Kagawa and Takamatsu has more than 40% production of total quantity in Japan and are making "brome" and "brome caustic chlorine" which are used for medicine and manure.

2. Brome are used for "brome caustic" and "brome soda" etc. which are sedative and besides it is indispensable material to make manure for food.

3. The factory of brine industry in Shikoku and Okayama and Hiroshima are 13 factories and total operators are 1106 persons.

4. Liquid chlorine is the inevitable material to make "brome" and we must send back emply "bombay" on delivery and cannot suspend at half way in abstracting work.

In case of we get it from Amagasaki and Kokura, we after was in force to suspend at half way, by postpone the material due to some troubles in the transportation by sea.

In this connection, we have established The Toa S. C. I. Co., Ltd., at Sakaide in 10th of Showa.

D. AMINO ACID INDUSTRY:

1. Amino acid industry in Shikoku and Chugoku bring indispensable material in order to make Soy and food boiled down in Soy.

2. The factory for the same as follows:

Marukin Shoyu Co., Ltd.	Kagawa-Ken
Kanzai No.5 Aminosan Kogyosho.	-"-

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Ishikawaya Shikoku Kogyosho. Kagawa-Ken.
Okayamaken Shoyu Kumiai. Okayama-Ken.

3. Principle products:

No.1 Amino Acid.
No.2 -"-
No.4 -"-

4. The Toa S. C. I. Co., Ltd., Sakaide Factory have supplied chlorine acid and caustic soda to those Amino acid factories.

5. So, if that factory will be removed we must suffer severe damage and bring the bad influences to the peoples' living.

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Pre-War

After-war

CAUSTIC SODA

	Classification	Kagawa-Ken		Ehime-Ken		Kochi-Ken		Tokushima-K	
		Quantity	%	Quantity	%	Quantity	%	Quantity	
Pre-war	Fibre	2033.838	22.6	1371.149	15.2	1398.264	15.5	2288.068	2
	Paper Manufacture	1658.020	30.0	1713.288	31.0	1547.566	28.0	276.336	
	Oil Refinery	414.505	30.0	276.528	20.0	290.143	21.0	400.508	
	Industrial Medicine	721.239	30.0	560.963	23.3	480.825	20.0	400.588	
	TOTAL	4827.602	26.4	3921.928	21.4	3716.798	20.2	3365.500	
after-war	Fibre	0		351.541	78.0			99.630	
	Paper Manufacture	4.940	15.6	25.195	65.4	6.830	19.0		
	Soap			316	6.3	4.684	92.7		
	The other	.099	14.0						
	TOTAL	6.039	1.2	377.052	76.2	11.514	2.4	99.630	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

Pre-War From Jan., 1938
To Dec., 1941.

After-war From Aug., 1945
To July, 1946.

S O D A

-Ken		Kochi-Ken		Tokushima-Ken		Hiroshima-Ken Okayama-Ken		TOTAL	Osaka
ty	%	Quantity	%	Quantity	%	Quantity	%		
49	15.2	1398.264	15.5	2288.068	25.5	1906.723	21.2	8998.042	3713.451
88	31.0	1547.566	28.0	276.336	6.0	331.526	5.0	5526.736	
28	20.0	290.143	21.0	400.508	29.0			1381.684	
63	23.3	480.825	20.0	400.588	16.7	240.516	10.0	2404.131	5609.638
28	21.4	3716.798	20.2	3365.500	18.4	2478.765	13.6	18310.593	9323.087
41	78.0			99.630	22.0			451.171	
95	65.4	6.830	19.0					37.965	
16	6.3	4.684	92.7					5.000	
						.860	90	.959	
52	76.2	11.514	2.4	99.630	20.0	.860	0.2	495.095	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Pre-war

After-w

Syuthetic Hydrochloric Acid

	Classification	Kagawa-Ken		Ehime-Ken		Kochi-Ken		Tokushim
		Quantity	%	Quantity	%	Quantity	%	Quantity
Pre-war	Seasoning	8763.531	60.0	891.207	6.0			1336.81
	Medicine Manufacture	1914.317	95.6					115.00
	Dyes							
	Industrial Medicine	1059.842	49	1103.101	51.0			
	Military use							
	TOTAL	11737.690	42.5	1994.308	7.2			1451.81
after war	Seasoning	176.554	90.5					18.705
	Medicine Manufacture	26.356	78.3					7.300
	Industrial Medicine	24.632	10.0					
	The other	7.878	98.0					.213
	TOTAL	235.520	90.0					26.218

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

Pre-war From Jan., 1938 To Dec., 1941.

After-war From Aug., 1945 To July, 1946.

Acid

		Kochi-Ken		Tokushima-Ken		Hiroshima-Ken Okayama-Ken		TOTAL	Osaka
	%	Quantity	%	Quantity	%	Quantity	%		
	6.0			1336.810	9.0	3861.894	26.0	14735.442	
				115.000	4.4			2147.317	1660.351
									13137.039
	51.0							2162.943	
						8566.712	100	8566.712	
	7.2			1451.810	5.3	12428.606	45	27612.414	14797.390
				18.705	9.5			195.359	12.469
				7.300	21.7			33.656	272.311
								24.632	98.527
				.213	2.0			8.091	13.202
				26.218	10.0			261.738	396.509

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175613

Pre-war:

After-war:

LIQUID CHLORIN

	Classification	Kagawa-Ken		Ehime-Ken		Kochi-Ken		Tokushima-K
		Quantity	%	Quantity	%	Quantity	%	Quantity
Pre-war	Paper Manufacture	843.064	31.0	742.896	27.1	174.451	6.2	472.116
	Disinfection	21.760	40.0	7.253	13.3			7.253
	Brine for medicine	54.607	30.0	51.233	28.0			62.179
	TOTAL	919.431	31.0	801.382	28.0	174.451	6.0	541.548
after war	Paper Manufacture			10.000	100			
	Disinfection	1.500	59	1.050	41.0			
	Brine for medicine	11.420	32.6	2.860	8.2			8.030
	The other	.800	100					
	TOTAL	13.720	28.3	18.910	28.7			8.030

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Pre-war: From Jan., 1938 To Dec., 1941.

After-war: From Aug., 1945 To July, 1946.

ORIN

-Ken		Kochi-Ken		Tokushima-Ken		Hiroshima-Ken Okayama-Ken		TOTAL	Osaka
	%	Quantity	%	Quantity	%	Quantity	%		
	27.1	174.451	6.2	472.116	17.2	504.837	18.5	2737.364	134.894
	13.3			7.253	13.3	18.134	33.4	54.400	18.136
	28.0			62.179	34.0	14.638	8.0	182.657	
	28.0	174.451	6.0	541.548	19.0	537.609	18.0	2974.421	
	100							10.000	
	41.0							2.550	14.400
	8.2			8.030	23.0	12.710	36.2	35.020	29.330
								.800	
	28.7			8.030	17.0	12.710	26.0	48.370	43.730

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Pre-wa

After-

BLEACHING POWDER

	Classification	Kagawa-Ken		Ehime-Ken		Kochi-Ken		Tokus
		Quantity	%	Quantity	%	Quantity	%	Quant
Pre war	Paper Manufacture	6165.554	41.1	6345.571	42.3	915.082	6.1	1200
	Fibre	499.710	31.5	416.425	26.4	333.140	21.1	249
	TOTAL	6665.264	40.2	6761.996	40.8	1248.222	7.5	1449
After war	Paper Manufacture	63.250	21	94.875	31.6	110.688	36.9	31
	Fibre	10.200	34.5	19.330	65.5			
	Disinfection	7.209	90.0	.801	10			
	The other	9.750	100					
	TOTAL	90.409	26.0	115.006	33.0	110.688	32.0	3

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Pre-war From: Jan., 1938
To : Dec., 1941.

After-war From: Aug., 1945
To : July, 1946.

-Ken		Kochi-Ken		Tokushima-Ken		Hiroshima-Ken Okayama-Ken		TOTAL	Osaka The other
	%	Quantity	%	Quantity	%	Quantity	%		
	42.3	915.082	6.1	1200.109	8.0	375.033	2.5	15001.349	
	26.4	333.140	21.1	249.855	15.7	83.285	5.3	1582.415	83.286
	40.8	1248.222	7.5	1449.964	3.7	458.318	2.8	16583.764	83.286
	31.6	110.688	36.9	31.625	10.5			300.438	15.812
	65.5							29.530	
	10							8.010	
								9.750	
	33.0	110.688	32.0	31.625	9			347.728	15.812

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Total list of the anticipated quantity of use for classification of business.

Classification	Anticipated quantity of use for one year			
	LIQUID CHLORIN	CAUSTIC SODA	BLEACHING POWDER	HYDROCHLORIC ACID
	Kg.	Kg.		Kg.
Brine Industry	127.114	29		57
Chemical Industry		41.000		256.200
Medical Goods			12.000	28.000
Soy and Amino Acid		216.000		1,085.732
Soap		15.600		
Textile		405.000		
Machine Manufacture Paper	92.000	1812.850	1763.000	
Hand Manufacture Japanese Paper		314.000	367.500	
Fibre		33.000	33.000	
Miscellaneous		8.000		10.960
TOTAL	219.114	2845.479	2480.500	1380.949

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175813

No. 1.

Kinds of Industry	Location	Name of Association or Company	Number of member association	Number of workers.	Na re Di
BRINE INDUSTRY	Takamatsu city.Kagawa pref.	Takamatsu Chem. Ind.Co.Yashima plant.		24 persons.	Ma Ha
-"-	- " -	- " - Takamatsu plant.		33 "	Gy Ma
-"-	Matsuyama village Ayauta-gun Kagawa Pref.	Riken Brine Ind.Co.,Ltd.		65 "	Rik Ka
-"-	Hayashida-cho,Sakaide-city,Kagawa.	Nippon Magnesium Co., Sakaide plant.		319 "	Yo Fu
-"-	Utazu-cho, Ayauta-gun, Kagawa pref.	Utazu Chem. Ind., Co., Ltd.		45 "	Ka Ita
-"-	Marugame-city, Kagawa pref.	Yoshikawa Che., Ind.,Co., Marugame plant.		44 "	Ka Yos
-"-	Takuma-cho, Mitoyo-gun, Kagawa pref.	Konoshima Chem., Ind.,Co., Mitoyo plant.		47 "	Ri Oda
-"-	Muya-cho, Itano-gun, Tokushima.	Monsaida Engyo, Association, Muya plant.		66 "	Ih Tan
-"-	-"-	-"-			
-"-	-"-	-"-			
				n.t.c.	
-"-	Naruto-cho, Itano-gun, Tokushima.	Godo Engyo by-products plant.		48 "	Ya Shi
-"-	Yamada village Kojima-gun, Okayama pref.	Naikai Engyo Yamada blanch.		70 "	Tsu Ot
-"-	Ajino-cho, Kojima-gun, Okayama pref.	Yoshikawa Chem., Ind.,Co., Ajino plant.		62 "	Ka Yo

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

... of ...s.	Name of representative Director.	Anual expected quantity of consumption			
		Kinds	quantity	Use	% dependance on Toa Gosei C.I.Co.
...eons.	Massichi Hatotani	Liquid chlorine	7.600 kg.	Bromium manufactu ring.	100 %
	Gyoen Matsumoto	-"-	7.700 "	"	100 "
	Rintaro Kawanishi	-"-	14.500 "	"	100 "
	Yoshio Fujishiro	-"-	21.600 "	"	100 "
	Kasu Ita	-"-	21.000 "	"	100 "
	Katsutaro Yoshikawa	-"-	1.903 "	"	100 "
	Risaburo Oda	-"-	5.500 "	"	100 "
	Ichichiro Tani	-"-	6.743 "	"	100 "
	"	Hydrochloric acid	57 "	for analysis	100 "
	"	Caustic soda	29 "	"	100 "
	Yajihoi Shinohara	Liquid chlorine	9.735 "	Bromium manufac- turing.	100 %
"	Tsutomu Otsuka	-"-	10.000 "	"	100 "
"	Katsutaro Yoshikawa	-"-	6.133 "	"	100 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

			p.t.o.	
-"-	Naruto-cho, Itano-gun, Tokushima.	Godo Engyo by-products plant.	48 "	Yaj... Shi...
-"-	Yamada village Kojima-gun, Okayama pref.	Naikai Engyo Yamada blanch.	70 "	Tsu... Ote...
-"-	Ajino-cho, Kojima-gun, Okayama pref.	Yoshikawa Chem., Ind.,Co., Ajino plant.	62 "	Kat... Yos...
-"-	Tamashima-cho, Asakuchi-gun, Okayama pref.	Nippon Magnesium Tamashima plant.	36 "	Tak... Noda
-"-	Matsunaga-cho, Kumakuma-gun, Hiroshima pref.	Chugai pharmaceutical Co., Matsunaga plant.	245 "	Mas... Oka...
				Total

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

	Yajihei Shinohara	Liquid chlorine	8.735 "	Bromium manufacturing.	100 %
"	Tsutomu Otsuka	-"-	10.000 "	"	100 "
"	Katsutaro Yoshikawa	-"-	6.133 "	"	100 "
"	Takeo Noda	-"-	3.700 "	"	100 "
"	Masaru Okamoto	-"-	10.000 "	"	100 "
		Liquid chlorine	127.114 "		
Total		Hydrochloric acid	57 "		
		Caustic soda	89 "		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

No. 2

Kinds of Industry	Location	Name of Association or Company.	Number of member of association	Number of works	N r D
CHEMICAL INDUSTRY	Marugame city, Kagawa pref.	Fushimi Pharmaceutical Co.		93 persons.	
-"-					
-"-	Imabaru city, Ehime pref.	Tokyo Shibaura Electric Co., Imabaru plant.		250 "	
-"-					
-"-					
-"-					
MEDICINE	Seto-cho, Tokushima pref.	Tomita Phamarceutical Co.,Ltd.		400 "	
-"-	Yashima-cho, Takamatsu, Kagawa.				
	-"-	Tomita Phamarceutical Co.,Ltd. Yashima plant.		45 "	
				p.t.o.	
SOYA-BEAN SAUCE (soy) AND AMINO ACID	Shodojima Shodo-gun Kagawa pref.	Marukin Soya bean sauce Co.,Ltd.		1000 "	
-"-	Noma village Shodo-gun,	Kansai 5th amino acid Industry station.		20 "	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

ber of ks	Name of representative Director	Annual expected quantity of consumption Kinds	quantity	Use	% dependance on Toa Gosei C.I.Co
93 persons.	Toyoji Fushimi	Hydrochloric acid	240.000 kg.	Barium chloride	100 %
		Caustic soda	5.000 "	Barium hydroxide	100 "
50 "	Ryozo Harada	-"-	36.000 "	Cerium Fulussid cerium hydroxide	100 "
		Hydrochloric acid	16.200 "	-"-	100 "
	T o t a l	Caustic soda	41.000 "		
		Hydrochloric acid	256.200 "		
00 "	Sukeichi Tomita	Hydrochloric acid	28.000 "	Pharmaceuric table salt Barium salt	40 "
		Bleaching powder	2.000 "	Bleaching powder Magnesia	40 "
65 "	Sukeichi Tomita	-"-	10.000 "	Pharmacopix magnesia	100 "
	T o t a l	Hydrochloric acid	28.000 "		
		Bleaching powder	12.000 "		
5.0.					
"	Yonokichi Saheki	Hydrochloric acid	160.000 "	Amino acid	100 "
		Caustic soda	66.000 "	-"-	100 "
"	Yoshitsugu Nakahara	Hydrochloric	85.732 "	-"-	100 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

				p.t.o.	T o
SOYA-BEAN SAUCE (soy) AND AMINO ACID	Shodojima Shodo-gun Kagawa pref.	Marukin Soya bean sauce Co.,Ltd.		1000 "	Yono Sahe
-"-	Noma village Shodo-gun, Kagawa pref.	Kansai 5th amino acid Industry station.		20 "	Yoshi Naka
-"-	Minakata, Okayama city	Okayama soya bean sauce association	100	514 "	
-"-	Marugame city, Kagawa pref.	Ishikawaya Shikoku Industry station		115 "	Taich Nakat
					T o t

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

.o.	T o t a l	Hydrochloric acid Bleaching powder	28.000 " 13.000 "		
"	Yonokichi Saheki	Hydrochloric acid	160.000 "	Amino acid	100 "
		Caustic soda	56.000 "	-"-	100 "
"	Yoshitsugu Nakahara	Hydrochloric acid	85.732 "	-"-	100 "
"		-"-	240.000 "	-"-	100 "
"	Taichi Nakata	-"-	600.000 "	-"-	100 "
		Caustic soda	160.000 "	-"-	100 "
	T o t a l	Hydrochloric acid. Caustic soda	1085.732 " 216.000 "		

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No. 3

Kinds of Industry	Location	Name of Association or Company.	Number of member of association	Number of workers.
SOAP	Muya-city Tokushima pref.	Shikoku soap Ind.Co.,Ltd.	persons	25 persons
TEXTILE INDUSTRY	Imabaru city Ehime pref.	Ehime pref.textile & its finishing association	24 "	3000 "
-"-	-"-	-"-		
-"-	-"-	Nippon Towel control Asso. Shikoku blanch	3 associations	700 "
-"-	-"-	-"-		
MACHINERY PAPER MANUFACTURING	Kawanoe-cho Ehime pref.	Iyo paper manufacturing Co.	15 persons	1794 "
-"-	-"-	-"-		
-"-	-"-	-"-		
-"-	Tokushima city Tokushima pref.	Shima paper manufacturing Co.		80 "
-"-	-"-	-"-		
-"-	-"-	Tokushima Godo paper manufac-		80 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

ber of ers.	Name of representative Director	Annual expected quantity of consumption Kinds	quantity	Use	% dependance on Toa Gosei C.I.Co.
25 persons	Nobuo Higashito	Caustic soda	13.600 kg.	Soap manufacturing	65 %
00 "	Shigeru Motohara	-"-	400.000 "	Refinery bleaching dye-stuff	100 "
	-"-	Bleaching powder	300.000 "	For dissolution	100 "
700 "	Jitsuro Inoue	Caustic soda	5.000 "	Bleaching of original fibre	100 "
	-"-	Bleaching powder	5.000 "	-"-	100 "
	T o t a l	Caustic soda Bleaching powder	405.000 " 305.000 "		
784 "	Saburosuke Hoshikawa	Caustic soda	684.000 "	Machinery paper manufacturing	100 "
	-"-	Bleaching powder	768.000 "	-"-	100 "
	-"-	Liquid chlorine	92.000 "	-"-	100 "
80 "	Sanji Shima	Caustic soda	130.000 "	For treating of pulp	100 "
	-"-	Bleaching powder	130.000 "	Bleaching	100 "
80 "	Keisuke Tanaka	Caustic soda	70.000 "	For manufac-turing of	100 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

-"-	Tokushima city Tokushima pref.	Shima paper manufacturing Co.		80 "	
-"-	-"-	-"-			
-"-	-"-	Tokushima Godo paper manufacturing Co.,Ltd.		80 "	
-"-	-"-	-"-			
-"-	Kochi city Kochi pref.	Kochi district paper manufacturing Ind.Asso.	9 "	1488 "	
-"-	-"-	-"-			
-"-	Takamatsu city Kagawa pref.	Kagawa pref. paper manufacturing Co.	7 "	2500 "	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

80 "	Sanji Shima	Caustic soda	130.000 "	For treating of pulp	100 "
	-"-	Bleaching powder	120.000 "	Bleaching	100 "
80 "	Keisuke Tanaka	Caustic soda	70.000 "	For manufacturing of paper	100 "
		Bleaching powder	150.000 "	-"-	100 "
1488 "	Masanosuke Doi	Caustic soda	615.000 "	Treating of pulp	100 "
		Bleaching powder	725.000 "	Bleaching	100 "
2500 "	Tozo Nakamura	Caustic soda	313.850 "	Treaching of pulp	50 "
	Total	Caustic soda	1117.850 "		
		Liquid chlorine	92.000 "		
		Bleaching powder	1763.000 "		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

No. 4.

Kinds of Industry	Location	Name of Association or Company	Number of member of association	Number of workers.
HAND MADE PAPER	Kawata-cho, Tokushima pref.	Tokushima pref. hand made paper association.	persons 198	persons 594.
-"-	-"-	-"-		
-"-	Takamatsu city Kagawa pref.	Kagawa pref.hand made paper association	3 "	250 "
-"-	Kochi city Kochi pref.	Kochi pref.hand made paper control association	866 "	27.385 "
-"-	-"-	-"-		
FIBRE	Tokushima city Tokushima pref.	Nippon seisen Ind. control Association Shikoku blanch.	21 "	500 "
-"-	-"-	-"-		
-"-	Imabaru city Ehime pref.	Imabaru dyeing & bleaching Ind., Institution.	6 "	30 "
-"-	-"-			

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

umber of orkers.	Name of representative Director	Annual expected quantity of consumption.			
		Kinds	quantity	Use	% dependance of Toa Gosei C.I.Co.
persons 594.	Takatsugu Kanbara	Caustic soda	10.000 kg.	Treating of pulp	50 %
	Tozo Nakamura	Bleaching powder	7.500 "	Bleaching	50 "
250 "		Caustic soda	4.000 "	Treating of pulp	50 "
.385 "	Kannosuke Okawa	-"-	300.000 "	Boiling of raw material paper	100 "
		Bleaching powder	360.000 "	Bleaching	100 "
	T o t a l	Caustic soda Bleaching powder	314.000 " 367.500 "		
500 "	Saichiro Sunako	Caustic soda	30.000 "	Manufacturing of fibre and paper	100 "
		Bleaching powder	30.000 "	Manufacturing cotton	100 "
30 "	Kishiro Tsubouchi	Caustic soda	3.000 "	Dyeing of fibre	100 "
		Bleaching powder	3.000 "	Bleaching	100 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

-"-	Imabaru city Ehime pref.	Imabaru dyeing & bleaching Ind., Institution.	6 "	30 "	Ki Ta
-"-	-"-				
					To
ANOTHER	Tokushima city Tokushima pref.	Nippon Siryo Ind., Co.,Ltd.	100 "		Ta Mo
-"-	Nagahama-cho Ehime pref.	Iwamura Co.	28 "		K I
-"-	Takamatsu city Kagawa pref.	Kagawa pref.farming tool control Association	52 "	1865 "	S K
					T

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

30 "	Kishiro Tsubouchi	Caustic soda	3.000 "	Dyeing of fibre	100 "
		Bleaching powder	3.000 "	Bleaching	100 "
	To t a l	Caustic soda Bleaching powder	33.000 " 33.000 "		
100 "	Taro Mori	Hydrochloric acid	10.000 "	Treating of animal charcool	100 "
28 "	Kojiro Iwamura	Caustic soda	8.000 "	Treating of pupa	40 "
1865 "	Shigeichiro Kuramoto	Hydrochloric acid	960 "	Manufacturing of farming tools	100 "
	T o t a l	Hydrochlorine acid Caustic soda.	10.960 " 8.000 "		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

Sum of the expected quantity of products for use

Kinds of Industry	Annual expected quantities			
	Caustic soda	Hydrochlorine acid	Bleaching powder	Liquid chlorine
Brine industry	29 kg.	57 kg.	kg.	127.114 kg.
Chemical "	41.000 "	256.200 "		
Medicines		28.000 "	12.000 "	
Soy & Amino acid	216.000 "	1.085.732 "		
Soap industry	15.400 "			
Textile industry	405.000 "		305.000 "	
Machinery paper manufacturing	1.812.850 "		1763.000 "	92.000 "
Hand made paper manufacturing	314.000 "		367.500 "	
Fibre for cloth	33.000 "		33.000 "	
Others	8.000 "	10.960 "		
Total	2.848.479 "	1.380.949 "	2480.500 "	219.114 "

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

LIAISON SECTION
KAGAWA LOCAL GOVERNMENT
(Takamatsu, Shikoku)

30 Sept. 1946 40

SUBJECT: Submission of petition concerning Sakaide plant of Toa Composite Chemical Industrial Co., Ltd.

TO : Commanding Officer of Kagawa M.G. Team.

As regards the subject matter the president of Sakaide Chamber of Commerce and Industry asked me to submit you the petition.

In compliance with his request I hereby send you the petition and ask your consideration for that matter.

FOR THE GOVERNOR

M. Kagawa,
Chief of Liaison Sec.
Kagawa Local Govt.

(5)

4

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

September 25, 1946.

TO: The Commanding Officer of the Kagawa
Military Government, Team

Dear Sir:

The written petition

We are expressing our best thanks for your protection and good management, as we Shikoku people can get along every day at peace and with delight in order to rebuilt the peaceful Japan.

We beg to advise you that we have understood clearly about the withdrawal of the institution of raparation by the publication of The Liaison Office and at the same time, about that it consist of the two big points for the withdrawal of military industrial institution and for leave the proper institution to support the lowest peoples' living.

Kindly not that the related factories in Shikoku and Chugoku districts have suffered big shock for the fact of that The Toa Synthetic Chemical Industry Co., Ltd., Sakaide Factory was designated as the factory of reparation and especially for the labourers who are applying themselves to industry.

As you know well, this factory has been built in the 10th year of Showa by the desire of the whole Sakaide-cho, as the result of thorough investigation from every standpoints of transportation, water use for factory, supp of electricity, labour, and the other requsitions.

During past ten years the name of factory was changed twice and the chief of factory and the persons in charge worked hard by help of the people in Sakaide and this factory are supplying the materials to the various kinds of factories which are manufacturing the indispensable goods to the peoples' living, such as Rayon, Seasoning, Soap, Paper, and Cotton piece goods etc. And there are many labourers who are working to these factories.

Consequently if this factory would be removed, the plenty of labourers would be thrown out of work as well as decrease of production for the necessary goods to the living of the people.

Of course we believe that you would take the proper and minute measure after withdrawed that plant, but we are eagerly soliciting to leave that factory, computing from the fact of that it is very convenient to import the material salt and export the manufactured goods judgeing from the situation of Shikoku, the condition of transportation, the only one factory in Shikoku, and besides the repair of the Sakaide habor.

p.t.o.

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

We would be very much obliged to you, if you pay your kind attention that this proposal was decided unanimously as the emergency motion in the establishment general meeting of The Foundational Juridical Person, The Sakaide Chamber of Commerce and Industry which is going to start newly by the independently desire of the people in industrial and economical circle in Sakaide city, in order to build the democratic Japan and to develope the industry in this district.

In this connection, we are earnestly soliciting to your wise judgement and sympathy that is to leave The Toa Synthetic Chemical Industry Co., Ltd., Sakaide Factory, by from the designated reparation.

Yours very truly,

The Establishment General Meeting,
The Foundational Juridical Person,
The Sakaide Chamber of Commerce and Industry,

The president.

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To General Headquarters,
Supreme Commander for
Allied Powers

To Commanding Officer.
MG Kagawa Team
Thro. Liaison Section,
Kagawa Local Govt.

September . 1946

Re application for maintenance of the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha

We were very much surprised to find the name of the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha in the list of the plants to beremoved from this country for the reparation Payments, which was announced recently by the General Headquarters, Supreme Commander for the Allied Powers, and published in the Japanese press.

We understand that the policy of the Allied authorities relative to the reparation payments for Japan is based mainly on the principle of removing industrial establishments of war potential. While some other industrial establishments of this country necessary for the Allied

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Powers may be specified for the reparation payments, we believe that such industrial establishments as may be regarded necessary for the stabilization of the minimum standard of living of the people will be allowed tomaintain in Japan.

We, who are engaged in the production of synthetic fibre, hereby express our sincere thanks and respects to the generous and impartial policy of the Allied authorities for the reconstruction of Japan along the democratic lines.

We beg to explain why we were so much surprised and perplexed when we found that the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha had been specified by the General Headquarters, Supreme Commander for Allied Powers, for the reparation payments.

Firstly, we wish to explain from the economic standpoint.

As you know, for the production of one ton of synthetic fibre, 650 kilograms or 85 percent of caustic soda is required. This fact indicates that

-more-

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caustic soda is the principal raw material for the production of synthetic fibre. One of the most important facters to lower the cost of its production is to Keep comparatively low expenses in the process of securing the material.

For the purpose, the question of distance of its manufacturing plants and the method of its transportation are important.

In this connection, we beg to advise that the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha is the only plant in Shikoku Island, where we have respectively our own plants, including the Tokushima Plant of the Teikoku Seni (Fibre) Kabushiki Kaisha, the Saijo Plant of the Kurashiki Kenshoku (Silk weaving) Kabushiki Kaisha, the Ehime Plant of the Toyo Rayon Kabushiki Kaisha and the Niugawa Plant of the Fuji Boseki (Cotton Spinning) Kabushiki Kaisha.

The Sakaide Plant is situated at a point nearest to each of our four companies plants. Furthermore, both land and marine communications

-more-

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have been established between the Sakaide Plant and each of our plants. In otner words, the Sakaide Plant is in a position to be able to ship its products to each of our plants eitner by overland or sea route in accordanced with circumstances.

We believe this fact is particularly important when it is generally pointed out the necessity of carrying out the re-adjustment of industries by paying a careful consideration to the geographical conditions.

In the second place, we should like to emphasize the importance of the geographical conditions just mentioned above.

From the enclosed map, you will see that all of the four plants of our companies are located in Shikoku Island. If we have to secoure the necessary raw materials for our products from places other than Shikoku, we shall have no means of transportation of such materials other than vessels. The island is connected with the mainland only by

-more-

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means of ferry-boats. This means that we are unable to gain the necessary raw materials when the sea is rough. We must wait until it becomes quiet.

Thirdly, we wish to point out some reasons from the viewpoint of demand and supply.

Our four plants in Shikoku Island, necessitated to offset the geographical handicaps mentioned above, have been able to fully demand the caustic soda being produced by the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha in the most safty and speedy manner. On the other hand, the Sakaide Plant has been able to supply us an aggregate total of 13 tons of caustic soda every day out of the 17-ton per day productive capacity of the plant recently.

Fourthly, we beg to explain on the point of quality.

The quality of caustic soda which we need for the manufacture of synthetic fibre gives and important effect to the quality of our products.

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we are sure that the caustic soda being produced at the Sakaide plant in the so-called mercury process is known as the best, having 99 percent purity.

At present, main soda manufacturing plants remaining in this country are the Ube Soda Kabushiki Kaisha, the Tokuyama Soda Kabushiki Kaisha and the Nakiyama Plant of the Mitsubishi Kasei Kogyo Kabushiki Kaisha. The productive capacity of the three companies during the fixed one period is 350 tons, 500 tons and 350 tons respectively.

Each of the three plants mentioned above adopts the so-called ammonium process in the production of soda. Their products are comparatively in ferior in quality, having 97.5 percent purity.

Lastly, we wish to stress the importance of the position of the Sakaide Plant viewed from the demand and supply of soda throughout the country.

As you will see from the enclosed sheet, explaining the localities of soda manufacturing plants and synthetic fibre manufacturing plants in

-More-

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Japan, plants requiring caustic soda are mostly located in the western part of this country.

The aggregate products of our four plants correspond to 41.7 percent of the total production of synthetic fibre in Japan. In this connection, we hope you will refer to the enclosed sheet, showing the actual amounts of production of various companies manufacturing synthetic fibre.

The amount of production of caustic soda in Japan during the 1945 year totalled 35,771 tons, including 8,843 tons manufactured through the ammonium process and 26,928 tons manufactured through the electrolysis process.

It must be pointed out that the production of soda in plants adopting the ammonium process, such as the Ube Soda Kabushiki Kaisha, Tokuyama Soda Kabushiki Kaisha and the Maki-iyama Plant of the Mitsubishi Kasei Kogyo Kabushiki Kaisha as mentioned before, has been decreased considerably because of the acute shortage of coal.

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Meanwhile, other manufacturers of soda in the Kansai district are now almost impossible to make any noteable production. You will clearly understand the situation from the enclosed map, indicating the amounts of actual production of various plants.

The amount of production of soda by the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha is 865,742 kilograms.

The aggregate amount of caustic soda required by our four plants per day totals 96,321 Kilograms, including:

(1) — 22,971 kilograms for the Ehime Plant of the Toyo Rayon Kabushiki Kaisha,

(2) — 33,656 kilograms for the Saijo Plant of the Kurashiki Kensboku Kabushiki Kaisha,

(3) — 21,760 kilograms for the Tokushima Plant of the Teikoku Seni Kabushiki Kaisha,

(4) — 17,734 kilograms for the Niugawa Plant of the Fuji Boseki Kabushiki Kaisha.

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The monthly amount of the required soda of our four plants totals more than 2,666 tons. Therefore, the daily production of 25 tons, that is, 750 tons of production in a month, by the Toa Gosei Kagaku Kogyo Kabushiki Kaisha is insufficient to meet the demand of our four plants.

In order to cover the shortage of soda, we have to collect from other places, despite the geographical disadvantages mentioned before, through various unscientific methods. Such being the case, the actual amount of our products is in such a situation as maintaining a small quantity of the productive capacity.

This already unfavorable condition for the production of synthetic fibre, we are afraid, would become worse, if the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha is actually removed for the reparation payments.

We beg to call your attention that the shipment of soda manufactured by the three remaining soda plants (ammonimum process)in the Chugoku or

-more-

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western Japan region is difficult from the geographical viewpoint, as you will see from the enclosed map.

It would be almost impossible for the remaining soda plants (electrolysis)in the Osaka district to supply any amount of their products to the synthetic fibre industry, because most of soda produced by these plants are being consumed by medical, agricultural,oil, grease, dyeing, weaving and other industries in the same district.

There are some more remaining soda plants in the Kanto district which adapt the electrolysis process. However, it is almost impossible to practically attempt transportation of liquid caustic soda by freight cars.

Before concluding our explanations, we wish to call your attention to the fact that we were bitterly suppressed during the war by the military and Government authorities on the ground we engaged in the peaceful industries.

-more-

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

cont --II

With the termination of the war, liberated from the various suppressive measures imposed upon us during the wartime, we have been trying to make every possible effort for the reconstruction of our industry. During the war, we were forced to make a great deal of sacrifice and naturally suffered considerable losses. The end of the war gave an impetus and hope. Since then, we have been making preparations steadily with all our efforts for the rebuilding of our industry.

The announcement, however, that the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaissha had been specified as one or the plants to be removed for the reparation payments, meant a fatal plow to us. We were shocked by the announcement. We are afraid that we are going to be driven again into a critical situation.

We hereby request you, the General Headquarters, Supreme Commander for the Allied Powers, would pay particular attention to our case:

-more-

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and give a generous consideration so that the Sakaide Plant of the Toa Gosei Kagaku Kogyo Kabushiki Kaisha be excluded from the list of the plants to be removed from this country for the reparation payments.

We should be very much obliged if you could kindly arrange for the maintenance in this country of the Sakaide Plant.

Thanking you in advance for your trouble,

we remain

Yours faithfully,

The Tokushima Plant of the Teikoku Seni K.K. F. Kubo

The Ehime Plant of the Toyo Rayon K.K. K. Sodeyama

The Saijo Plant of the Kurashiki Kenshoku K.K. U. Watanabe

The Niugawa Plant of the Fuji Boseki K.K. [illegible] Gomori

Enclosed:

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

1st MILITARY GOVERNMENT
HEADQUARTERS & HEADQUARTERS COMPANY

(Takamatsu, Shikoku)

EHT/ILP/JRT

APO 24

18 April, 1946

SUBJECT: Approval of Application for reconversion.

THROUGH: KAGAWA KEN Liaison office.

TO: Toa Synthetic Chemical Industrial Co.

1. Inclosed application for reconversion of toa Synthetic Chemical Industrial Co. dated 26 March 1946 has been approved.

2. Continued operation is authorized by Eighth Army and this headquarters.

FOR THE COMMANDING OFFICER

1st Lt. Bogert

Adjutant

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

HM 6

91ST MILITARY GOVERNMENT
HEADQUARTERS & HEADQUARTERS COMPANY
(Takamatsu, Shikoku)

BHW/ILB/jrp

APO 24
4 April 1946

7940

AG 00.14

SUBJECT: Toa Synthetic-Chemical Industrial Company
Sakaide Factory
611-17 Higashikama Sakaide-cho, Sakaide City,
Kagawa Prefecture.

TO : Commanding General, Eighth Army, APO 343
Attn: Mil Govt Section

1. An inspection was made of the above plant. Information submitted in application found to be correct except for paragraph 4G.

2. There are 817,600 shares outstanding, of which 24.3 % are owned by the Mitsui Kogyo, K.K. The balance is divided among small stockholders with not more than 10 % each.

3. It will be noticed that there was a marked increase in the capital structure in 1944. This was due to three other plants merging with the above concern. One factory is in Nagoya and two in Fushiki.

4. This headquarters is cognizant of the fact that this plant is actually not going through a reconversion, but in view of the fact that this plant is connected with nation wide interests, and is controlled by Mitsui, this application is forwarded to your headquarters. Continued operation is recommended by this headquarters.

FOR THE COMMANDING OFFICER

Ivan L. Bogert
IVAN L. BOGERT
1st Lt., SnC
Adjutant

1. Incls:
Application for Reconversion (3)

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 17503

APR 15 1946
C-62

Ltr, 91st Mil Govt Co; subject: "Toa Synthetic-Chemical Industrial Co. Sakaide Factory, 611-17 Higashikama Sakaide-cho, Sakaide City, Kagawa Prefecture", dated 4 April 1946.

AG 004.04 (MG) 1st Ind. 11APR 194

Headquarters Eighth Army, APO 343.

TO: Commanding Officer, 91st Military Government Company, APO 24.

1. Continued operation of this company is authorized.

2. Since no conversion is necessary a conversion permit is not required.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

8

James H. Nash
JAMES H. NASH
1st Lt., CAC
Actg. Asst. Adjutant General.

1 Incl
n/c

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 175013

1/

1-12

Serial No. 8 report

Application for convertion 8
and
report on industrial facilites
TO:
THRO:
Toa-Synthetic-Chemical-industrial Company
Sakaide Factory
611-17 Higashikama Sakaide-Chō-
Sakaide City Kagawa-prefecture.

Name and address of reporting Unit

28th Mar 1946
東亜合成化学工業株式會社坂出工場 Date

1. Name of Facility: Toa Synthetic-Chemical-
Industrial Company, Sakaide-Factory
Toagōsei-Kagaku Kogyo Kabushiki
Kaisha Sakaide Kōjō.
2. Location: 611-17 Higashikama Sakaide-Chō-
Sakaide-City Kagawa prepecture.
3 Name of president or manager:
Katsuchika Yamori (manager)
4. History
a Date of constraction: 26th Jul. 1935
b Date of first operation: 10th Apr. 1936
c 1935-1941 production (Annual value in
Yen: quantities of principal prodncts
by units weights)

On revers side (No. 1)

No. 1

Age	Caustic Soda NaOH		Hydrochloric Acid HCl		Bleaching powder $CaOCl_2$		Liquid chlorine Cl_2		Sodium hypochlorite NaClO		Sulphur mono-chloride S_2Cl_2	
	Quantity	Annual Sum	Quantity	Annual Sum	Quantity	Annual Sum	Quantity	annual Sum	Quantity	annual Sum	Quantity	Annual Sum
1935	0	0	0	0	0	0	0	0	0	0	0	0
1936	3,160,150	205,60.706	6,155,023	247,67656	1453.590	64,25694	136,200	18,83698	0	0	0	0
1937	7,700,576	558,45,182	11,727,21	488,40587	4217.805	191,68830	821,350	74,68722	25.590	1,13291	6,440	1,22201
1938	7,261,600	436,470 50	11,161,106	507,27016	4607.960	218,72727	1,026,846	114,64359	0	0	23.000	2,69396
1939	7,231,500	761,58005	11,990,680	711,14000	4088.557	236,34960	992,560	147,42982	0	0	0	0
1940	5,934,000	814,84546	11.161.190	727,67617	2897.720	302,74497	763,993	119,26885	0	0	6,210	1.35906
1941	5,743,880	833,49749	9,020,235	409,01608	3748,725	310,21936	948,611	158,71571	0	0	51.150	12,01712

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d. present capitalization in yen ¥40,88,000

e Changes made in capital structure since 1935

26 the Jul. 1935 ¥1.500,000 (Capital ¤ contraction)

1st Jan 1942 ¥6.000,000 (Capital by in Corporation)

1st Jun. 1944 ¥4.088,0000 (Capital by in coperation)

f Name and address of parent company.

Name: Tōagōsei kagaku Kogyō Kabushiki Kaisha

Address: C/o Sekimada Buil, 8 2nd. st. Tamura-chō

Sibaku Tokyo-City.

g Number of shares outstanding

Nothing

h Number of stockholder (Give names of those owning 10% or more of total)

Number of stockholder: One only.

Name: Mitsui-kagaku Kogyo Kabushiki

Kaisha (24.3 %-shares)

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

Nothing

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

(NO. 2).

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4

NO, 2

Outline sketch of plant

Scal: 1/1200

Total area: 47,078 m²

(Neighbouring Ground)

Tōagōseikagaku Kogyo K.K. Sakaide Kōjō.

Road

Common salt store house 1296.52 m²

Brine purification tank room 395.9 m²

Reaction chamber to produce Bleaching powder 1957.54 m² (8 chamber)

Bleaching powder store house 449.57 m²

store house 563.99 m²

Packing room 233.28 m²

Refined Brine tank

Cell Unit Cell chamber

Mercury cell Room (58 cells) 1391.70 m²

Work House

Dining Room 97.18 m²

Anode repair & bleaching room 148.76 m²

Caustic stor tank

Liquid chlorine plant 893.76 m²

Boiler

NaOH Finishing pot room 1127.77 m²

Vacuum evaporater

NaClO plant 78 m²

Cl₂ tank store room 252.55 m²

Brine tank

Salt 97.18 m²

Diaphragm cell room (152 cells) 548.75 m²

Diaphragm cell Room (152 cells) 548.75 m²

Rotary converter 325.38 m²

Transformer station

Engineer Room 49.38 m²

Carpenter room 49.58 m²

Store house 165.28 m²

Laboratory 165.78 m²

Smith's Room 97.36 m²

Bath room

store house 218.18 m²

Guard Room

Dormitory 132.89 m²

Dining room 198.33 m²

Office 198.33 m²

Worker house 336.42 m²

Sea

Road

Sea

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5. Description

a principal products

1. Wartime

Caustic soda
Hydrochloric acid
Bleaching powder
Liquid chlorine
Sodium hypochlorite
Sulphur monochloride

2. At present

Caustic soda
Hydrochloric acid
Bleaching powder
Liquid chlorine

3. Planned for 1946-47

Caustic soda
Hydrochloric acid
Bleaching powder
Sodium hypochlorite
Raw common salt

b Capacity

1. War time

Caustic soda	17 tons	per day.
Hydrochloric acid	24	"
Bleaching powder	9	"
Liquid chlorine	3	"
Sodium hypochlorite	0.9	"
Sulphur monochloride	2	"

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2. At present

Caustic soda	9.3	tons per day
Hydrochloric acid	12.0	"
Bleaching powder	8.3	"
Liquid chlorine	1.5	"

3. 1946-47 (with unrestricted access to materials)

Caustic soda	14.7	tons per day
Hydrochloric acid	22.6	"
Bleaching powder	7.5	"
Liquid chlorine	3.0	"
Sodium hypochlorite	1.0	"
Raw common salt	1.5	"

c Number of Employees.

1. War time 177
2. At present 146
3. 1946-47 (At maximum capacity) 180

6. Machinery & Equipment in plant (Give type. Size. use and maker's name. Note: if this is an application for conversion of a war factory to peace time production describe proposed changes on reverse side.)

(No. 3)

(NO. 3).

Description		Quantity	Condition	Capacity	Maker's name	Type	Use.
Rotary converter		3-stand	perfect	1.500 KW/one stand	Shibaura-Denki K.K.		to convert alternate-current into direct current.
Transformer		3-stand	"	1640 KVA/one stand	Shibaura-Denki K.K.		
Dissolving tank of common salt		4	"	35 m³/one tank			
Refining tank of common salt		13	"	170 m³/one tank			
Electrolytic cell	mercury process	58 cell	Perfect dissection	current for cell 6000 amp.		solvay	
	diaphragm process	304 cell		current for cell 1,500 amp.		allen more	
Boiler		2	perfect	13 tons/hr.	Kisha Seizō K.K.	Takuma Type ML 290	to make steam for vaccum evaporater.
Double effect vaccum evaporator		3-class	"		Tanaka Kikai K.K.	vertical calandria type	to evaporate electric weak caustic solution.
Finishing pot		12	"	vol. of one pot 9,000 liter	Kubota-Tekkosho K.K.		to make fixed-caustic soda.
Liquid chlorine producing equipment		2	"	6,000 Kg/day			
Synthetic hydrochloric acid producing equipment		15	"	76,000 Kg/day			
Breaching powder producing equipment		8-room	"	15,700 Kg/day			
natrium hypochlorite producing equipment		1	"	1,000 Kg/day			

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8

7. present stocks of Raw materials supplies and infinished goods.

Description	Quantity	Condition
Raw common Salt	143.014 kg	85% NaCl
Coal	731.458 kg	4.500 Cal
Slaked lime	125.240 kg	75% Ca(OH)2

8 present stocks of finished goods.

Description	Quantity	Condition
Caustic soda	89.889 kg	30% NaOH (Solution)
Hydrochloric acid	42.595 kg	35% HCl
Bleaching Powder	6.615 kg	30% av Cl
Liquid chlorin	5.990 kg	99.9% Cl2

9. present stocks of fuel

Description	Quantity
Coal	731.458 kg

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

Description	Quantity
Nothing	

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11. Raw materials & supplies needed (monthly)

a For present capacity (5 62 above)

Description	Quantity
Raw common salt	510 tons per month
Coal	45 "
Slaked lime	170 "

b For maximum (5 63 above)

Description	Quantity
Raw common salt	880 tons per month
Coal	325 "
Slaked lime	170 "

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

Description	Quantity
Coal	45 tons per month

13 Additional personel needed (Not locally available)

Special skills number

Nothing.

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10

14. Prices (Give current selling prices in Yen of principal products)

Description	Unit	price
Caustic soda	ton	¥ 5.130
Hydrochloric acid	"	¥ 1.260
Bleaching Powder	"	¥ 1.360
Liquid chorine	"	¥ 1.200

15. Remarks (Include here any factors hampering production not already mentioned and any recommendations you conside necessary)

a. Insufficient of Raw common salt.

b. Insufficient of goods, clothing and rubber good, etc

16. Certifications by application

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

Signed K. Yamanaka

Title Master