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Nippon Soda Company, Ltd.
Takaoka Plant
No. 420, Mukaino-machi, Takaoka City.

To : The Commander
Toyama Military Government Team
The Eighth United States Army.

Your Excellency,

We have great honor to be able to avail ourselves of an oppertunity of expressing our sincere respect to the spirit of justic and humanity embodied in the United States Army and of making our frank appeal to the Army on the matter hereunder we would like to state.

We are a labor union organized at the Takaoka Plant of the Nippon Soda Company Ltd. with the present membership of about 1,080 employees of the said Plant, and hold now an influential position as of presidency over the fedeated unions existing in the western district of the Toyama Prefecture.

Our union started as the first organized body in November 1935 and has since then taken the leadership over other unions by assisting their formations and development . We believe that we have always been pursuing in the middle course of policy not going to any extreme of right or left, as our esteemed Supreme Commander General MacArthur has instructed in his memorable statement of the last September and thus we have been trying to exert our best efforts to establish democracy in our workship by fully realizing our responsible position both nationally and internationally. Our earnest desire is, indeed, to contribute our

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efforts in the cause of the world's peace by overcoming the losses and hardship we are now confronting with from the defeat of the recent War. In this respect, we firmly believe that we, as a defeated nation, have been trying and will try to live up to the duty required to execute by the terms of Potsdam Declaration.

As for instances, in compliance with the order of the United States Army of October last year, we have at once taken up the work by day and night of manufacturing liquid chlorine and have been successful in completing the order for the Army before any other firms could have done it.

Again at the order of G.H.Q. through the Ministry of Public Welfare, we have not spared our effert in meeting with the demond of sulfamine manufactur. Within the chortest period as possibly expected for, we have been able to deliver the products to be used for the treatment of sufferers from diseases particularly among those repatriated, Again, since the surrender of this country, the feeling of the people here has become low and remained for some time in the state of absentmindness. In order to relieve of this state of mind, we have manufactured and placed in the market a considerable amount of saccharin, which, we are certain, has had a good effect upon recovering the peoples feeling, Again when the rice field in this part of the country became affected with noxious insects (about 20% of harvest would be lost, if insects not destroyed), we have manufactured and supplied to the farmers D.D.T. after a careful experiment has been completed to meet with their requirements. These are some instances which prove that we have

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been exerting our best efforts to promote the welfare of the people for the cause of democracy.

Now, however, the interim reparation program for future payment to the Allied Powers has recently been published by G H Q. We find there our Takaoka Plant is specified to be included as one of potential plants to be taken away from this country. The result of our Plant will be , in the first place, the practical stoppage of manufacture of any medical products of sulphonamide series and a great fear can not but be entertained that we shall become entirely incapable to supply these series of medical essentials to the people. Consequently, the manufacture of such medicines as sulfamine, sulfaguanidine, sulfamethylthiazole, etc. Which are essential for curement of sickness and diseases such as pneumonia, suppurated diseases or ghonorrhoea, would become impossible. It will be an extremely dangeous problem for our country as the plant is manufacturing about 80 percent of these medicines during the period of the first quarter of the year. Again, according to the news report of August 25 last, we are told that the important production of caustic soda would also cease in this Toyama district. If it be true, the manufacture of liquid chlorine would become almost impossible and this locality would meet with an extreme danger at once being affected by epidemics, for there will be no means of disinfecting our drinking water.

Since the termination of the War, we have been, as the above facts will sufficiently prove, exerting our best efforts and placing every means of possible technics for the betterment of the people's

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health and livelihood. If the plant be taken away from us, it is evident that a considerable number of employees will lose their jobs.

The union men and women who have been so faithfully and diligantly at work for the welfare of the people should not be compelled to fall into such a desparate fate. The federated uniens will not acquiesce to such a sad possibility as their wives and children be separated with no means of livelihood which has already been pressed with the scarcity of food.

It is a sincere and earnest desire of the labor union men that the workships for the manufacture of caustic soda as well as of sulphuric acid will remain here to be exempted from the reparation program by a special consideration of the authority which is always proved to see the actual necessities of this country.

Yours very respectfully

Signed Yashikazu Ikeda

President of the Employees Union

Signed Saijiro Kamoi

President of the Labor Union

Taknoka Plant of Nippon Soda Company Ltd.

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Application for the Exemption of
the Takaoka Plant of the Nippon
Soda Company from Reparations Program.

Takaoka City, Toyama Prefecture.

September 18, 1946.

To: The Eighth U.S. Army

Thru: Toyama Military Government Team

Dear Sirs,

Soon after the War the Takaoka Plant of the Nippon Soda Company, Ltd. converted quickly its production from war supplies to peace-time supplies, and, on receiving an order from the Supreme Commander of the Allied Powers, they resumed liquid chlorine manufacturing, and sent about 62 tons of it more quickly than any other plant, contributing the disinfection of drinking-water. Moreover, the Plant has manufactured caustic soda, various medicines, and necessities for civilian life, and contributed to a stabilization of public life. When the Plant was ordered by the G.H.Q. through the Welfare Ministry to manufacture sulfamine to be used for the treatment of women repatriated from abroad, they made every efforts to produce it.

The production equipments of sulphuric acid and caustic soda, which are vital points of the Plant, was specified for reparation,

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and this news has given deep shocks to men and women in Takaoka, and, both directly and indirectly, it is a menace to the stabilization of citizen life which has become difficult to maintain after the war. As a representative of Takaoka Citizens, I entreat to you the plant might be exempted from reparations on the following reasons.

Reasons for the exemption:

1. Effects on the City finance if the Plant be taken out.
Amount of city taxes and city planning taxes paid by the Plant in 1945.

Kinds of taxes	amount	remarks
vaults tax	20.10	
bicycles tax	63.60	
baggage bicycles tax	17.00	
auto-trucks tax	711.00	
personal cars tax	334.00	
telephone and other poles tax	467.50	
small tricycles tax	84.20	
house tax	12,766.10	
land tax	2,570.80	
citizen tax	1,500.00	

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expense for the 17 Villages Irrigation Association	301.77
tax for profits from immorable	2,211.22
business tax	101,555.20
Total	122,602.82 yen

The above amount of taxes is paid to Takaoka City directry by the Plant, and, if the equipments be taken out, not only income of the city will decrease greatly, but also our tax incoming from men of engineering, building, transportation, and iron industry, and various free workers, who are in connection with the Plant and under employment of the Plant, will decrease. It is trully expected that this indirect decrease in our income will become large amount. And thus the result is a great damage to the City finance.

2. Necessity of the existence of the Plant for the relief plan of the unemployed in Takaoka City.

The solution of unemployment problem is a need of the hour, but, in spite of our efforts, we have been unable to proceed a step to its solution. At this moment we will have to receive a large number of the dismissed from the Plant directry and indirectry from the connected industries with the Plant, if the Plant be taken out. This is a serious matter to the City.

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Workers to be dismissed from the Plant, form a part of the middle class of Nakaoka citizens, and, moreover, they are natives of the City and settled here. As a characteristic of the citizens they have their own house when they marry, and dislike to go out and work in other districts.

Therefore if it be taken out we have a great fear seriously an overflow of the unemployed in the City. The number of the employees in the Plant on August 28, 1946, is as follows:

Officials	249
Workers	841
Free labourers employed directly by the Plant	385
Total	1,475

Hitherto lacquer-ware manufacturing has been one of the main industries in the City, but on account of the lack of the materials it has become dull, and at present there are many plants of iron industry and aluminum-ware manufacturing in a small scale, almost all of which are closed or in danger of becoming insolvent after the War. As a result of the dullness of industries there we about 3,100 unemployed workers in the City, and they have not yet found new professions.

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The Plant is a single converted plant from war supplies in the City and contributes to the promotion of public welfare, producing liquid chlorine, caustic soda, chloric acid, bleaching powder, chlorsulphonic acid, saccharine, sulfamine, and artificial fruits syrups, etc. If the Plant be taken out, we will be forced to have the additional 1,500 unemployed to 3,100 whom we have no solving plan at present. As a result the City will be cast into a chaos of the unemployed and become a dull city.

3. On the production of medicines.

After the War the Plant has contributed to the promotion of public health and hygiene, by mainly producing medicines on the order of the Welfare Ministry. The medicines which they hope to manufacture are as follows:

sulfamine	3 tons	monthly
sulfaguanidine	2 "	"
sulfamethylthiazole	2 "	"
acetosulfamine	0.3 "	"

Caustic soda, chlorsulphonic acid, fuming sulphuric acid, and chloric acid, etc., are necessary and indispensable medicines for manufacturing these medicines. These sulphonamide series

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medicines which are in urgent demand in this country will decrease in production, if the Plant cannot have the above mentioned materials.

Almost of all the same kind of chemical plants allowed to remain in Japan are located in only Tohoku, Kanto, and Kyushu districts and this Hokuriku District has little. Therefore production of caustic soda, in July last, is only 5 tons in this district. According, if we try to get these materials, we have to transport them from distant places, and the present capacity of railway transportation make it almost impossible.

As you know Toyama Prefecture has many hydraulic electric plants and has normally abundance of 300,000 killowatt of surplus electricity at present.

We hope you utilize this abundant electricity and excellent production equipments of the Plant which are manufacturing these medicines reasonably.

We have mentioned the importance of the Takaoka Plant of the Nippon soda Company, Ltd., on the point of the finance of Takaoka City, relief plan of unemployed in the City and medicine production for the maintenance of the well- being of the people. And we

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entreat to you the plant might be exempted from reparations program by your wise judgement and generous kindness.

I am your most obedient servant,

Sign: Kenji Hori

Title: Mayor of Takaoka City ,

Toyama Prefecture.

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Application for the Exemption of Takaoka Plant of Nippon Soda Company,Ltd. from Reparations Program.

The Takaoka Technical College,
Takaoka, Toyama Prefecture.
September 23, 1946.

To ; The Eighth United States Army.
Thru ; Toyama Military Government.

Dear Sir,

The production equipments of caustic soda,hydrochloric acid and sulphuric acid in the Takaoka Plant of the Nippon Soda Company,Ltd. has been specified to be taken out for reparations. We,students of the Department of Chemical Industry of the Takaoka Technical College, entreat to you that the equipments might be exempted from reparations program on the following reasons.

Our college was opened for the purpose of developing scientifically the local merits of abundance in electricity, which is the industrial characteristics of Toyama Prefecture. Since the start, our college has been in close connection with plants in and near Takaoka,and the Department has been more closely connected with the Takaoka Plant of the Nippon Soda Company, than any other plants. The Plant has supplied us fully with caustic soda,hydrochloric acid,and sulphuric acid, and by their assistance we have been able to overcome the shortage of chemicals. It is needless to say that these chemicals play most important parts in chemical experiments. It is a great blessing for us to be able to obtain from the Plant the these chemicals,consumed in large quantity, at a cheap price through their kindness. Accordingly we have been able to do various experiments without any obstacles. If the supply of the these chemicals from the Plant be stopped on account of reparations, our experiments will be upset fundamentally.

The Plant is located near our college and the distance is only one mile or so. Therefore we spend half a day at the college and spend the other half at the Plant doing experiments. Thus we can easily obtain knowledge as well as techniques of chemical industry, instead of being educated academically, This is the case with our Department, and it is our greatest pride. Moreover the other departments in our College, Mechanical Engineering, Electrical Engneering, and Metalic Engneering, all of them have the same advantages and Pride.

As we have noted at the beginning,our Department was opened in view of local characteristics of industry in Toyama Profectue .
Almost all the plant in the neighbourhood of our college has complied with our request, and supplied us with chemicals and experimental instruments, and offered opportunities of practical exercies in plant.

Particularly, the Nippon Soda Takaoka Plant most frequently has shown their kindness to us, and we have exercised in the Plant as if we were in our own laboratory and college plant. therefore, if the Plant be taken out for reparations, the education of chemical industry in our college woud lose its main supporter and at the same time its own pride.

We have a passion for the reconstruction of new industry in peaceful Japan. We entreat heartily to you that the Plant be exempted from reparations program.

We are your most obedient serverts.

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Sign. Tokio, Nisikawa

Title.Representative of Students of the Department of Chemical Industry in the Takaoka Technical College.

Dear Sir,

We,students of the Departments of Mechanical Engineering, Electrical Engineering and Metalic Engineering,supporting the purport of the application that the students of the Department of Chemical Industry has offered to you,entreat sincerely the exemption of Takaoka Plant of Nippon Soda Co.Ltd. from the Reparations Program.

The reason is following:

The electric plant and various machines in the Plant, are really the suitable laboratory, in which we are able to practise, for us, too, and moreover the chief stuff of the Plant has always shown us all the heartily kindness and much convenience.

We hope that you would accept ourentreaty.

We are your most obedient servants.

Sign. Keiki Ni Nigasaki

Title.Representative of Students of the Department of Mechanical Engineerig in the Takaoka Technical College.

Sign. Yoshiteka Yoshima

Title.Representative of Students of the Department of Electrical Engineering in the Takaoka Technical College.

Sign. Kaoru Kamishima.

Title.Representative of Students of the Department of Metalic Engineering in the Takaoka Technical College.

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Application to the release of some
indemnity-designated manufactory

15 Tsuchi-toriba-nagamachi,
Kanazawa, Ishikawa-ken.
September 19, 1946.

To : The Eight United States Army

Thru : The Toyama Military Government Team

I have read the newspaper on the 25th of last month and found that the Takaoka Manufactory of Nippon Soda Co. was designated for indemnity , and therefore its production-equipments of caustic soda and sulphuric acid must be taken off. That manufactory is one of the famous and greatest factories in Japan producing liquid chlorine and sulfamine which is necessary for hygienic and medical use.

When the production of caustic soda and sulphuric acid is stopped, the chlorsulphonic acid can not be produced and will follow a remarkable fall in supply of sulfamine, which is greatly needed by but is hardly available to us.

Therefore, it would be obvious that treatment for inflammatory diseases of various kinds would become very difficult.

And , moreover, by the stop of caustic soda production , liquid chlorine production will be discontinued which is

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a very important chemical for prevention of infectious diseases.

A large amount of liquid chlorine will be used for disinfecting the drinking-water of civilians. But there are immense technical difficulties in transporting liquid chlorine from far-distant districts.

I believe that the existence of this manufactory is greatly necessary and important for this Hokuriku District, if the infections diseases break out suddenly.

I desire, as a doctor, your kind consideration for these problems from the standpoint of public-health and medical treatment.

Sign

Docter Hiroshi Hiramatsu
Professe of Physical Therapy
of th Kanazawa Medical University

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To: Major Hartmann,
Commanding Officer Eighth Army Toyama Mil.Govt. Team.

Date: September 1946.

Subject: Petition for the exemption of designated Reparation Factory.

1. Petitioner Demanders of Soda Industrial Chemical of Toyama Pref. (attached paper)

Representative,
Toyama Chemical Industry Co.,Ltd.,
8, Shimookui, Toyama-shi.

President, Toshio Nakai

2. Name of Factory to be exempted from designated Reparation.

Toa Gosei Chemical Industry Co.,Ltd.,
Fushiki Factory.

Nippon Soda Co., Ltd., Takaoak Factory.

3. Name of Principal products designated Reparation Factory.

Toa Gosei Chemical Industry Co.,Ltd., Fushiki Factory.

Caustic Soda, Hydrochloric Acid, Liquid Chlorine, Bleaching Powder, Trichlene, Ammonium Chloride, Caustic Potash.

Nippon Soda Co., Ltd., Takaoka Factory.

Caustic Soda, Hydrochloric Acid, Liquid Chlorine, Bleaching Powder, Sulphuric Acid, Chlorsulphonic Acid, Sulpharmine, Soluble Saccarine.

4. Name of products needed by petitioner

Caustic ~~Soda~~, Hydrochloric Acid, Liquid Chlorine, Bleaching Powder.

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5. Reason of necessity of preservation.

The drugs of soda industry, namely caustic soda, hydrothloric acid, bleaching powder, liquid chloride and others are important materials of absolute necessity for our industrialists engaged in the manufacture of medicine, soap, paper, condiments, dyeing and processing of textile fabries, and besides treatment of metals, prevention and sterilization of epidemic desease, and sterilization of aqueduct and drinking water, and although this important chemical drugs of soda industry is difficult to acquire all over the country in this respected, fortunately, Toa Gosei Chemical Industry Co., Ltd., Tushiki Factory and Nippon Soda Co.,Ltd., Takaoka Factory in this prefecture, keep former production directly after past war, not speak of us but even the industrialists in the Hokuriku areas are favoured with the production of the said factories with comparative easiness from local and transportation relation, and thus we are exerting utmost effort to rebuild our purpose - peace time industry.

But unexpectedly, the said two factories were designated as reparation factories, and if unfortunately the manufacturing equipments of caustic soda and others are suspended, and the supply of these drugs is stopped, consequently we can hardly continue our business and as the result of it, the stability of civilians life and manufacture of reciprocating articles may be vitally affected.

Suppose that we intend to obtain these drugs, considering the present state of demand and supply in Japan, it is nearly impossible and hardly expect smooth supply owing to the heavy snow in the winter. Judging from these points the preservation of the said factory is absolutely necessary.

I beg for your special consideration and sympathy in exclusion of the two factories in order that we may execute the mission of preserving factory.

Signed T. Nakai.
Representative of
Toyama Chemical Ind. Co.,Ltd.

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Customers' List for Soda Industrial Chemicals of Toa Gosei Chem. Ind.Co.,Ltd.,Fushiki Factory and Nippon Soda Co.,Ltd., Takaoka Factory.

1. For Medicals

Name of Makers	Address
Toyama Chem. Ind.Co.,Ltd.	No.8 Shimookui, Toyama-shi
Kongo Chem. Co., Ltd.	No.1 Fateide, "
Daiichi Yakuhin Kogyo Co., Ltd.	Sunamachi "

2. For Chemical Ind. (include fertilizer)

Nissan Chem. Ind.Co.,Ltd. Toyama Factory	Sasakura, Fuchu-machi, Nakanikawa-gun
Nippon Carbide Kogyo Co.,Ltd. Uozu Factory	Uozu-machi, Nakanikawa-gun
Hodogaya Chem. Ind.Co.,Ltd.	No.120, Higashiiwase-mura, Toyama-shi
Hokkai Denka Kogyo Co.,Ltd.	Kushioka, Fushiki-machi Takaoka-shi
Chuetsu Elec. Ind.Co.,Ltd.	Namerikawa-cho, Nakanikawa-gun

3. For Fibre and Dyeing

Kanegafuchi Kogyo Co.,Ltd., Takaoka Factory	Sano-mura, Takaoka-shi
Taiken Sangyo Co.,Ltd., Shogawa Factory	Daimon-cho, Imizu-gun
Toyama-Pref. Cloth and Dyeing Controlling Assn.	Izumi-cho, Takaoka-shi
Shinko Kogyo Co.,Ltd.	Naimen, Takaoka-shi
Nippon Seiko Co., Ltd.	" "
Toyama Fibre Co.,Ltd.	Shin-machi, Ushizima, Toyama-shi
Nippon Fibre Co., Ltd.	Horikawa, Toyama-shi

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4. For Metals

Name of Makers	Address
Furikoshi Kogyo Co.,Ltd.	Ishigane, Toyama-shi
Nipponkai Senryo Co.,Ltd.	No.7, Nishinomiya, Toyama-shi
Tateyama Heavy Metal Co.,Ltd.	No.8, Shimookui, "
Ebara Seisakusho	No.200, Mukaishinjo, "
Nippon Steel Pipe Co.,Ltd., Toyama Elec. Steel Factory	Sankashin, Shinminato-cho, Takaoka-shi
Nippon Soda Co.,Ltd., Toyama Steel Factory	No.50, Shimoshin, Toyama-shi
Nagae Iron Works	Uziri, Takaoka-shi
Toyama-Pref. Sheet-Metal Ind. Controlling Assn.	No.50, Dikogi-cho, Takaoka-shi

5. For Paper Manufactures

Kokoku Zinken Pulp Co.,Ltd.	Nakazima, Toyama-shi
Showa Shigyo Co.,Ltd.	Naimen, Takaoka-shi
Chuetsu Printing Co.,Ltd.	Yokota, Takaoka-shi
Takaoka Paper Manufacturing Works	
Toyama-Pref. Tesuki Paper Ind. Union	Yatsuo-cho, Fuse-gun

6. For Condiment

Toyama-Pref. Bean-mash and Soy Controlling Assn.	Tori-cho, Takaoka-shi
Nipponkai Soyu Co.,Ltd.	Kamiichimachi, Kamiminikawa-gun
Kataguchi Soy Seizosho	Kosugi-cho, Imizu-gun
Sada Shoyu Seizosho	Nyuzen-cho, Kamiminikawa-gun

7. For the Water service and Drinking water.

The Water service part of Toyama-shi	Toyama-shi
The Water Service part of Takaoka-shi	Takaoka-shi

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8. For Epidemic and its prevention

Name of Makers	Address
The Health Section of Toyama-Pref.	Toyama-shi
The Sanitation Section of Toyama-City Office	"
The Sanitation Section of Takaoka City City Office	Takaoka-shi
The Doctor Club of Toyama-Pref.	Toyama-shi

9. Others

The Distributer of Soda Ind. Chemicals of Toyama-Pref. Tasaburo Wada Shop	No.186, Yokota-cho, Takaoka-shi

T. Nakai

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President of Doctors' Association
of Ishikawa Prefecture.
Sept. 24, 1946.

To: The Governor of Ishikawa Prefecture.

Subject: APPLICATION pertaining to TAKAOKA PLANT part of whose production capacity is included in the REPARATIONS PROGRAM.

Dear Sir:

It is one of our doctors' most urgent responsibilities to try to extinguish epidemic diseases and rebuild a more cheerful and healthy life in Japan promoting public sanitary condition, and taking every measure against epidemics.

Allow me, here, to add that we Japanese are all deeply appreciative of the great accomplishment of the SCAP particularly in controlling the spread of epidemics and dangerous diseases as well as in controlling the food shotage. These are the only two pressing matters at present in our surrendered country.

It is our ancient custom to eat raw food, to drink natural water. So that once water be defiled, epidemics will easily find their own ways.

We are understood by the newspaper that TAKAOKA PLANT, in the next-door prefecture that is producing LIQUID

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CHLORINE, indispensable to the purification of water-supply, is included in the REPARATIONS PROGRAM of part of its production capacity.

If the production of sulphamin and other similar medicals as well as of liquid chlorine be stopped by the withdrawal of the production capacity of that plant, it will not only be a difficult matter for us doctors to treat the patients, but also uncontrollable case will be occasioned, the moment epidemics will occur, and a serious social panic will follow.

For, Hokuriku Provinces have been from old times an easy prey to the flood, resulting from heavy snowfalls in winter and prequent storms in other seasons. For a doctor to think such a storm and a flood as will instntly and profoundly defile water, how much he will be horrified,

I, in the name of the President of Doctors' Association of Ishika-wa Prefecture, hereby earnestly hope that the Supreme Commander for the Allied Powers, endeavouring to pacify and settle the people's mind in this country after the war, will consider the fact that TAKAOKA PLANT is the only plant in Hokuriku Provinces tha t can supply our vital medicines, and take measures to exempt part of the production capacity of the plant through the good offices of the Governor.

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May this application be accepted by the authorities of the Occupation Powers.

I remain to be, Sir

Your obedient servant,

Doctor Seiji Tanaka

President of Doctors' Association,

Ishikawa Prefecture.

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23rd September, 1946.

To: Governor of Fukui Prefecture.

From: President of Fukui Prefectural Medical Association.

The words saying "the spread of contagious diseases is a great alarm to be given to politicians who can realize that its spread stands in the way of Nation's development" are supposed to be an appropriate and valuable epigram under the present circumstances witnessed after Japan's defeat.

We are buried in anxiety in this respect and are demanded to take promp counter-measure for the spread of contagious diseases, in this country, which are being increased on account of people repatriated from abroad, together with the tense situation of food-stuffs.

A greater part of medical products in this country had been monopolized by Japanese Military Quarters during War-time, and the medical product shortage used to manace the preservation of nation's health and sanitary conditions, while the production of medicines was entirely traced to decreased trend under the regulated conditions.

However,after the ended, through the goodwill of the Allied Forces, a somewhat relief measure in connection with medicines was taken, for which I express my grattitude as a doctor.

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Whereas, we came to know according to newspapers the fact that the Takaoka Plant of Japan Soda Company, which is well-known for its production of Sulphonamide medicines and liquid chlorine in the Hokuriku area, was put on a reparations target.

Should the medical productions be discountinued as a result of the withdrawal of production equipments, we would be very sorry and we anticipate very much for the influence having on the preservation of Nation's health and sanitary conditions.

We would like, therefore, to ask your goodwishes to convey our desire to the Authorities of the Allied Forces, sympathizing with our doctors' true hearts, so that Authorities would take into consideration the matter of retaining a part of medical productivity at the plant which would be exempted out of the whole reparations payment by their generous procedure for the benefit of welfare and health of the multitude.

K. Takeshita

President.

Fukui Prefectural Medical Association.

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A Petition

The Dentists Association
of Toyama-ken.
September 14, 1946.

To: The Eight United States Army
Thru: The Toyama Military Government Team

Dear Sir,

On 15th of August, 1945, a memorable day in history, the War came to its end and the bell of peace rang throughout the world. Now the current of peaceful democracy runs through the world, and the Japanese people was awaken from bad dreams of militarism and began to make efforts to start as a new state in the peaceful world. This is an unutterable joy for us Japanese. But when we reflect ourselves we find many roots of disaster still alive in Japan, and feel ashamed sincerely. We must fulfil our responsibilities and duties revealed in the Potsdam Declaration, and we believe it may be our contribution to the realization of the world peace.

We think we have already began to fulfill those duties and responsibilities. At this moment the General Headquarters of the Allied Forces has announced the list of factories to be taken out for the interium reparation. We are deeply concerned with this from our stand-point as dentists, because in and after the war the state of public health and hygiene are bad,

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and it will become worse if the sufficient supply of the medical things be stopped.

In Toyama Prefecture many plants were specified as to be taken out, and among them the Taknoka Plant of the Nippon Soda Company is found. We regret the inclusion of this plant, and we hope a kind reconsideration of the Headquarters to exempt at least the alone from the list.

The Plant is an important manufacturing factory of sulfamine and sulphuric acid which are necessary as the material of medicines. If we lose the Plant, we will fall into the shortage of materials for medicines, and the dental profession in this prefecture will suffer a great damage. It gives an unfavourable results to the public health and hygiene of the people in this district.

Making allowance for the above mentioned state of affairs, we beg you will take a generous measure to the Plant alone, and allow them to continue their production. We believe it will contribute to the development of medical treatments of the nation, and will result in the stability of living of people. This will also become a foundation of reconstructing new Japan.

We are your most obedient servants,

Sign. Nakazima Seisaku
Title. President of the Dentists Association of Toyama-ken.

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A Petition

The Toyama Controlling Association
of Home Medicine Distributors.
September 18, 1946.

To: The Eight United States Army
Thru: The Toyama Military Government Team

Dear Sir,

We are the distributors of home remedies in Toyama Prefecture. From olden times we peddle throughout the country and to every house, even to a solitary house in the mountains, we distrubute various home medicines. And yearly or half yearly we visit houses and receive payment for the medicines, consumed. Dwellers in the remote places, especially in the villages with no doctor, prescribe medicine and give medical treatment for emergency. Thus the home medicines we distribute are charged with a mission for the maintainance of the public health and welfare.

The General Headquarters of the Allied Forces has specified the plants in Japan to be taken out for the reparation, and among them the Takaoka Plant of the Nippon Soda Company is included. The plant has been manufacturing medicines which are important materials for our home remedies. Therefore, when the plant be taken out, we shall be cast into more shortage of materials than at present, and our profession

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will get into more difficulties. We fear that it will bring serious results for the maintainance of public health of the nation.

We appeal to the kindness of the General Headquarters that the plant might be exempted from the interium reparation program.

We are, dear Commander, your most obedient, servants,

Sign. J. Hirose

Title. President of the board of directors

Chief of peddling Home Remedy control association.

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A Petition

The Toyama Co-operative Association of Medical Production. And the Toyama Pharmacists Association.

September 1946.

To: The Eight United States Army

Thru: The Toyama Military Government Team

Dear Sir,

We, as the representatives of the above associations, presume on your kindness to submit this petition to you. It is reported that the Supreme Commander of the Allied Powers in this country has specified the producing equipments of caustic soda and surphuric acid of the Takaoka Plant of the Nippon Soda Company, as one of the plants to be taken out for the payment of the interium reparation.

The plant has made efforts, since the close of the war, to produce the sulphon amide series medicines and saccharine. It is needless to say that the medicines of this series are necessary for maintaining the public health, and a large amount of them is in demand from doctors and pharmacists. The plant, on receiving the order to commence production from the Welfare Ministry, began production, and has been endeavouring to produce more, in spite of many difficulties in getting

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materials.

We think that the plant has contributed to the promotion of the welfare of the people.

Now the Japanese people hate war and are making their efforts to the reconstruction of new Japan. For this reconstruction the health of the nation is quite necessary. And, moreover, the health of the nation is also indispensable for leading an undistorted and bright democratic life.

Every member of the associations has been endeavouring to the increase of medical production, and Takaoka Plant of the Nippon Soda Compa-ny is among the members. The plan of producing the medicines of sulphon amide and saccharine will be upset as the result of the withdrawal of the plant's equipments. This is an unhappiness from the stand-point of the public health. We a-ppeal to the kindness of the Commander that the plant might be exempted from the designation and continue its production.

We are yours most obedient servants,

Sign.

Title. President of board of directors.

T. Nakai

Y. Tomikawa

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Application for exemption from
reparation of Nippon Soda K.K.
Takaoka Works.

20th Sept. 1946

To: The U.S. 8th Army

Thru: Toyama Military
Government Team.

Thru: Toyama Prefectural
Government.

We have the honour to express our views on the Takaoka Works of Nippon Soda K.K. in connection with the reparation program.

We are continuing to exert all our efforts to increase fertilizer production for producing as much food as possible for the people.

We are manufacturing sulphuric acid, which is an important material for ammonium sulphate, but it is necessary for us to procure sulphuric acid from other factory, because our output has not reached the required amount.

We are therefore anxious to secure a supply of 3000 metric tons (50°Be) of sulphuric acid per year from our neibouring factory, Nippon Soda K.K. Takaoka Works at present.

We also need 600metric tons of caustic soda per year. This is also supplied by the Nippon Soda Takaoka Works and Toa Gosei Fushiki Works.

Caustic soda is required at the present for two kind of products, one is for producing hydrogen by electrolytic process, and the other

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is for producing nitrogen by coal process (CO_2 scrubber). Namely, caustic soda is indispensable for producing both hydrogen and nitrogen.

The water electrolysis unit is now in process of erection and for its completion, it is necessary to have caustic soda.

Caustic soda is the most important material for us. And we are therefore anxious to secure a sufficient supply of this product. This constitutes the bottle-neck for the production of ammonium sulphate in the future.

Both sulphuric acid and caustic soda are an indispensable material for the production of ammonium sulphate which is required for the increase of tomorrow's agricultural production.

From the local stand point, the Nippon Soda Takaoka Works is not faraway from our factory. It is so convenient for delivery during the winter season, because Hokuriku district has heavy snow fall every year.

We have learned that the Nippon Soda Takaoka Works was included in the reparation program , according to the Japanese government.

After removal of the equipments from this works , our outside supply of sulphuric acid and caustic soda will cease entirely, and it is hopeless to obtain this supply smoothly from other districts at present.

We are anxiously concerned with the possibility that many obstacles would be thrown in the path of our production of ammonium sulphate and increase of food stuffs.

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We therefore submit this petition for the exemption of the Nippon Soda K.K. Takaoka Works from the reparation program as a special measure.

The Nissan Kagaku Kogyo K.K.

Toyama Works.

Signed K. Kudama.

Title Master of Factory

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COPY

PETITION

FOR
CONTINUATION OF WORK AND OPERATION
IN THE FACTORIES
HELD IN THE CUSTODY OF ALLIED FORCES

TO : 90th Military Government

From : Memebers undersigned

Under the date of 24th, August, 1946, the directive from SCAP reported that the 505 factories classified into eight sections were decided, as the second measure for Japanese reparation, to be held in the custody of Allied Forces, in security and without any action.

And among them the following three factories --- Takaoka Factory of Nippon Soda Co. Ltd., Fushiki factory and Takaoka factory of Gosei-Kagaku Kogyo Co. (Chemical synthetic Industry Co.), the last one of which is now under construction --- are included.

Whereas, the presumption is that it is a common source of regret that the measure hy the directive will give the hardest blow to the manufacturing in peace-industry factories in Tokai (Nagoya and its adjoining prefectures) and Hokuriku (Ishikawa and its adjoining prefectures) district, which are most closely associated with the factories placed under ban, being provided with their material stuff.

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The actual circumstances are that the main products in the above factories --- hydrochloric acid, caustic acid and bleaching powder --- are indispensable to peace-industry in Tokai and Hokuriku district, playing a great role in manufacturing not only food stuff, metal works, porcelain goods, paper and textiles but also in meeting the demand of water supply and disinjection for medical operations in Kanazawa Medical College together with its attached hospital, and the conditions of the supply output has been always in short to the demand.

So, if the above three factories to be secured and destined to be excavated for reparation, then the balance of the production with consumption will be entirely upset, since the amount of the products in the factories, even when they were in full operation, could not be enough to cover the demand.

In addition to this, the factories in charge of the same line of products in Aichi and Niigata prefectures are also included in the excavation list, and the only possible route left over to us is to get the supply from Kanto (Tokyo and its adjoining prefectures) and Kansai (Osaka and its adjoining prefectures) district, which are too remote from us to develop our industry conveniently and satisfactorily.

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Besides, the present tranportation facilities are not in good conditions and there is always an accumulation of freights at every station, and we have, what is worse, so much snow every year in Hokuriku district that the transportation is often interrupted, resulting in the paralysis of the industry without any supply of materials.

As it is quite clear that the decrease in the production of materials in enevitable from the removal and excavation of factories and plants, the ill-balance of demand and supply will surely grow worse, causing the most lamentable consequence to the peace-industry in Hokuriku district, the mainstay of which is textile industry closely related with reparation in collateral security, and so we only hope that the three factories --- Takaoka factory of Nippon Soda Co., Fushiki factory and Takaoka factory now under construction of Toa Chemical synthetic industry Co. Ltd. --- are exempted from the excavation list to save our industry from the anticipated difficulty, and if impossible, we wish, with a strong desire, to have the honor of receiving the permission from SCAP to retain one of the three.

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We, the members undersigned, resolved to send in a copy to Your Excellency, in our sincere hope that the petition will have your sympathetic persal and that we may receive your kind consideration and valuable assistance and disposal in our anticipated conditions.

Respectfully submitted,

13 September 1946

Signed by .....

Shinzo Iitani

Chief director : Ishikawa-ken Chemicals industry Association, in Mitani Industrial Co. Ltd.
40,Tamaru-machi, Kanazawa City

Hajime Komura

Representative director: Chubu Daisan Amino Acid Industry Co.
Oshino, Oshino-mura, Ishikawa-ken

Kahachiro Kishi

President: Seko Seiren Co. Ltd.
44, Nagamachi-Kawagishi,
Kanazawa City, Ishikawa Pref.

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Signed by ..... (Continued)

Suetane Wakasa

Chief director: Ishikawa-ken Dyeing and weaving Control Association.
41 Tamaru-machi, Kanazawa City

Takichi Hongo

President: Ishikawa-ken Soya Control Co.
77 Takaoka-machi, Kanazawa City

Koichiro Tamasaku

Chief director: Ishikawa-ken Washing and dyeing Control Association.
14 To, Hirooka-machi, Kanazawa City

Takeshi Matsuda

Factory superintendant and director: Miyoshi Industry Co.
Wakamiya-machi, 9 Kanazawa City

Jintaro Takatani

Mayor of Kanazawa City: Kanazawa City Water supply and Gas department.
6 Shimo-Honda-machi, Kanazawa City

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Signed by .....(continued)

Shigero Namiki

The chief of the attached hospital to Kanazawa Medical College,
Doctor of Medicine

15 Naga-machi, Tsuchitoriba, Kanazawa City
Ishikawa Prefecture

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ON
THE PETITION

FOR
CONTINUATION OF WORK & OPERATION

IN THE FACTORIES TO BE CONFISCATED BY ALLIED FORCES

TO : G. R. Barrows

The commanding officer of 90th Military Gov.

From : Prefectural Governor in Ishikawa-ken

DATE 16 Sep. 1946

Under date of 24th, August 1946, the directive from Scap was announced that the 505 factories in 8 products lines should be confiscated in security and without any action by Allied Forces, so as to be allotted for Japanese reparation, and the following three factories in Toyama prefecture are included in the confiscation list:

(1) Takaoka factory of Nippon Soda Co. Ltd.

(2) Fushiki factory of Toa Gosei→Kagaku-Kogyo Co.

(3) Takaoka factory of Toa Gosei-Kagaku-Kogyo Co.

(Chemical synthetic Industry Co.) Now under construction. And the products in them --- hydrochloric acid and bleaching powder --- are being supplied to the peace-industry in thisprefecture, playing a great part in the manufacturing.

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Receiving the petition for continuation of work and operation in the factories in question from the representative consumers -- Ishikawa-ken Chemicals Industry association and other 8 members, we have inspected and acknowledged that the situation stated in the annexed petition is certified and proved to be true and that if the operation in the above three factories to be confiscated is to stop, we shall be unable to be provided with any material stuff at all for the industry in this prefecture.

We beg herewith to Your Excellency to give us every available assistance and disposal from SCAP so as to afford us the honor of having the three factories in operation, and it is impossible, to have at least one of them left over and permitted for future porduction.

Accompanying a copy of the petition for continuation of work and operation,

very respectfully,

Signed by _____

The Governor in Ishikawa Prefecture

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RECOMMENDATION

ON
THE PETITION
BY
ISHIKAWA-KEN CHEMICALS ASSOCIATION AND OTHER 8 MEMBERS

TO : G.H. Barrows

The commanding officer of 90th Military Gov.

From : Mayor of Kanazawa City, Ishikawa Prefecture

Date 16 Sep. 1946

We are just reported that the Ishikawa-ken Chemicals Association has sent in the petition for continuation of work and operation in the following factories in Toyama Prefecture:

Takaoka factory of Nippon Soda Co. Ltd.

Fushiki factory and Takaoka factory of Toa Chemical Synthetic Industry Co. Ltd.

These three coming within the purview of prehibition directive of operation.

Whereas, the main products of hydrochloric acid, caustic soda and bleaching powder have been the indispensable materials for peace industry in Hokuriku distriet and institutes was met chiefly with them:

Gas and Water supply department in this city

Sokoseiren Co. (Silk refinery warehouse factory)

Nippon Denki Yakin Co.(Electric Metallurgy Co.)

(to be continued)

(1)

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Daisan Amino Acid Industry Co. Ltd.

Miyoshi Industrial Co. Ltd.

Ishikawa-ken Hand-Filter paper Association

Ishikawa-ken dyeing and setting Association

Attached hospital to Kanazawa Medical College

If the three factories in question stop their operation by order of the directive, we shall have the hardest trouble in the public sanitary conditions as well as in producing metal works, food stuff, paper, porcelain, and textiles.

We beg herewith to Your Excellency to adopt every available means, appropriate under the circumstances, to have the three factories in operation, and it is impossible, to have one of them at least left over and permitted for future production to meet the demand in peace-industry and public health equipments.

Very respectfully,

Signed by _____

Jintaro Takatani,

Mayor of Kanazawa City,

Ishikawa Prefecture

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RECOMMENDATION

ON
THE PETITION
BY

ISHIKAWA-KEN CHEMICALS ASSOCIATION & OTHER 8 MEMBERS

TO: G.H. Barrows, Lt. Col.
The commanding officer of 90th Military Government

From: The Chamber of Commerce and Industry in Ishikawa Prefecture

We, the Chamber of Commerce and Industry in Ishikawa Prefecture, have the honor to express our recommendation on the petition by the 9 members, in view of the importance of developing the local industry.

After the end of the War, these members have been engaged in producing peace-time civilian goods of their own by conversion or continuation of manufacturing, in accordance with the directive by Japanese Government.

Ans we know it will that their material stuff for production have been supplied by the factories with which the petition is concerned, and it seems that their business could manage to have promising start lately.

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But if the directive from SCAP on excavation, dated 24, August 1946, is made effective and the factories mentioned in the petition are removed, the peace-industry in Hokuriku district will necessarily have to abandon its business.

Considering the situation they are in, we might say their petition has some reasons, so herein we entreat to Your Excellency to give the kind and appropriate consideration and disposal to their benefit.

Respectfully Yours,

SIGNATURE _____

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

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LIST OF

TRANSFERABLE MEDICINES

NISSO TAKAOKA HOSPITAL

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(1) Medicines	(2)	(3) Quantity
Inectio Coffeini Natrii benzoici	2 X 10a	100
Arklemin	2 X 10A	188
Agiftol	3 X 50A	200
"	3 X 10A	15
Antitamin	700g	8
Amoricin	0.5 X 10A	50
Avihormon	2 X 50A	15
Anaptol-Gelatin	20cc	10
Alwajin	500g	7
Algon solbe	10g	70
Agomenjin	1 X 5A	2
Akituberin	"	1
Aluesin	1 X 3A	2
Alepsin	100T	1
Tinctura Benzoecum	25g	18
Aktiweiss	2 X 50A	1
Ichtyol salbe	500g	10
Igonung	1 X 100A	2
"	1 X 50A	1
Isulcus	5 X 10A	4
"	5 X 50A	1
Isujilin 10E	1 X 5A	7
Igrosin	1 X 10A	11
Igonon Injectio	1 X 50A	17
"	1 X 100A	7

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Medicines		Quantity
Isan		504
Uvarose Liquor	500g	50
Umstin	10cc	80
Erbiogen	100g	65
" Tablets	500T	25
Enosan A	400cc	6
Estimon Tablets	2000T	
	500T	6
Ephedrin Tablets	50T	48
Exphafu	500g	192
"	250g	24
Emol Tablets	30T	30
Ephetagin Liq	500g	2
Ensain	1 X 50A	20
"	2 X 10A	3
"	2 X 50A	45
Ergoklin	1 X 50A	2
Erstin	1 X 10A	25
"	1 X 50A	10
"	2 X 5A	1
"	2 X 10A	40
"	2 X 50A	140
Efcain	1 X 50A	5
Enalmon Tab.	100T	9
Estimon Inj.	0.5 X 50A	8
Eklysin	500g	2

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Medicines		Quantity
Ova hormon tab.	500E 50T	90
Euvestin tab.	300T	180
Opistan	1 X 10A	9
Euvestin	0.5 X 10A	11
Opogenin	1 X 5A	10
Oxo campher	1 X 50A	20
Oxydol	500g	54
"	100g	17
Omnal	1 X 50A	72
"	2 X "	43
Omnin	"	35
Opogenin	1.2 X 10A	5
Ovastron pulr	25g	4
Opinaru "	500g	35
Carpon	"	500
Caldo tab		48
Hydrargyrum chloratum	25g	12
Cafsarin	2 X 10A	50
Camporisin	1 X 50A	20
Conbieta	"	28
Canphenol	"	170
Kativ	1 X 10A	20
Oleum Camphoratum	1 X 50A	16
Campher normon	"	20
"	1 X 10A	190
Capu-Hormon	2 X 10A	10

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Medicines		Quantity
Capu-Hormon	2 X 5A	14
Camsterin	25 X 5A	10
Garcon	100g	10
Camph-Oxyn	1 X 10A	2
Carwan	1kg	9
Kisalogen pulv	500g	96
Kyoto Vitamin B.	"	500
Aqua Armeniacae	"	8
Chinaminis	2 X 50A	52
C-Korbin fortius	"	40
Kuramin	1 X 10A	6
Krystal- B	1 X 50A	16
Chlex A	500g	97
Chlati-hormon	2 X 10A	60
Chlamin	1 X 10A	6
Chloeisen tab	300T	5
Geridan	500g	100
Alminum Kieselsaure	50T	43
Gechirol	2 X 10A	2
Gennalbin pulv	1kg	8
Coablwtin pulv	25g	30
Coablutin	2 X 10A	50
"	2 X 50A	3
Sapiton Liquor	500g	1
Fustin	250g	12
Sunsil	2 X 10A	57

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Medicin		Quantity
Phenylium salicylicum	25g	40
Sayaurin	5 X 2A	1
Santase	500g	311
Synthex	1 X 10A	27
Digiherton Liq	500g	1
Digilanogen pulv	5g	2
Strychininum nitricum	1 X 10A	30
Cerium Oxalicum	25g	10
Sinatrin	1 X 100A	20
Scillaren	1 X 6A	3
C-Korbin	2 X 50A	50
"	2 X 10A	5
Spech campher	1 X 10A	20
Spranchin weiss	500g	47
Spermin	2 X 25A	7
Spermatin	100T	46
Sulon	1000E	
"	100T	27
Spermatin Inj	2 X 6A	10
Sexcol Liq	500g	40
Gelatin(Konc)	"	20
Hydrargyrum Oxydatum rubrum	25g	5
Zedrin tab	100T	88
"	50T	28
Sexanol pulv	500g	19
Sexcol "	"	160

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Medicin		Quantity
Sellmon	1 X 50A	10
Sogol Liquor	450g	50
Takalidin	"	5
Taugen	25g	5
Darmo	500g	31
Dartenon	250g	15
Dargenon	500g	24
Darmasan	"	515
Darman	"	500
Ditol	250g	48
"	500g	75
Tannal	"	200
Tancase	"	5
Digilad	1 X 3A	1
Digitail	1 X 50A	20
Digitose	2 X 50A	8
Citoral 3.8%	0.6 X 50A	30
"	1cc	2,800
Zocale	500g	20
Teorgan	"	10
Dermoreiz	100g	400
Temisin salbe	500g	11
Tinctura Ipecacuanhae	"	70
Natagon	50g	1
Neo-Natumon	1 X 30A	15

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Medicin		Quantity
Neo-Kogen	2 X 50A	64
Neo-Calgen	1 X 50A	50
Neo-Papron pulv	500g	1
Neo-Cardin	1 X 50A	12
Neo-Campher	"	50
Neo-Vitaminol	1 X 10A	5
Neo-Papiron	250g	90
"	500g	14
Papron pulv	"	2
Papiron Exphov		40
Pacoin	500g	210
Haonin pulv	"	9
Bio-Tomosan	"	30
Hiscoval	2 X 50A	430
"	2 X 10A	302
Hidrochin	"	30
Biskon	500g	23
B-Citamin	2 X 50A	319
Biofermin pulv	30g	50
" tablets	150T	9
Hygytol	10 X 6A	1
"	12 X 50A	59
B-Amin 1mm	2 X10A	6
" "	1 X 10A	13
Biamunogen	1 X 50A	61
Biklen	500g	30

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Medicin		Quantity
Hifoul	500g	10
Hiropon	1 X 10A	18
Bismud	2 x 5A	1
Bibasmon	1 X 10A	10
Bismen	1kg	5
"	500g	8
Fuskol pulv	"	974
" Liq	"	306
Prontein silber	25g	50
Protamylase tab	30T	13
"	100T	12
Hustagin Liq	500g	22
Promodorin	2 X 12A	13
Fuktamin	2 X 50A	18
Fuskomin	1 X 10A	24
Hesperin pulv	100g	5
"	25g	20
Hepatoxin	1 X 10A	29
Peraninbunsolt	1 X 50A	11
Hepeal	500g	43
Formitin	1 X 50A	29
Form pulv	25g	29
Mercuro Liq 2%	500cc	30
Magbron	10 X 5A	10
Minophagen A	2 X 10A	20
" A L	1 X 50A	22

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	Medicin		Quantity
	Minophagen	1 X 10A	28
	Milzsin	1 X 50A	29
	Mismon	"	10
	Milzsin	2 X 50A	1
	Minazenin pulv	500g	80
	Murajin Liq	"	6
	Mulein	1 X 50A	9
	Monsal	"	110
	Yapiol	1 X 10A	90
	Todofarminum	50g	16
	Todo-calcium	1 X 10A	40
	Urstin	5 X 50A	5
	"	1 X 12A	10
	Resorcin	25g	5
R	Renu-hormon	1 X 10A	37
	Rosa bon	2 X 10A	50
	Res pap	500g	6

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Application for the

permit of purchasing common salt.

To. The Toyama Millitary Government Team.

Thru Toyama Prefecture.

September 4, 1946

Takaoka Plant. Nipponsoda Co., Ltd.
No. 420. Mukaino-Machi, Takaoka-shi ,
Toyama Prefecture.

Katsumi Ōga
Superintendent

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

Application for the permit of purchasing common salt.

Date, September 4, 1946.

1. Name of Company requesting purchase.

Takaoka Plant, Nipponsoda Co., Ltd.

2. Address of Company.

No. 420 Mukaino-machi, Takaoka-shi, Toyama Prefecture.

3. Material to be purchased.

Common salt.

4. Quantity .

100 tons.

5. Time of Purchase.

September 15, 1946.

6. Reason for application.

Our caustic soda plant was ordered on August 24 to be placed in custody as an object of reparation. We are now manufacturing saccharine, principal and indispensable substitute for sugar, which under present conditions is one of the most important living necessities of the people. One of the chief raw materials is chlorsulphonic acid , which we manufacture from fuming sulphuric acid and hydrogen chloride gas. The permission of purchasing pyrites, materials of fuming sulphuric acid , was granted on September 2. Hydrogen chloride gas is manufactured in the hydrochloric acid aqueous plant from hydrogen and chlorine gas, which are by-products of the electrolysis of common salt in the caustic

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

soda plant. Therefore, common salt is indispensable for manufacturing saccharine. Besides saccharine, such medicines are made from chlorsulphonic acid as sulfamine, sulfaguanidine, chrolamine T etc., which are also indispensable for maintenace of the people's health.

Our production plan of chlorsulphonic acid is as follows ;

September	62 tons
October	80 tons
November	93 tons
Total	235 tons

The necessary quantity of common salt for this plan is 666 tons , and our stock is 135 tons on September 1 , which represent the shortage of 531 tons.

100 tons of common salt, that were assigned to us by the Department of Commerce and Industry of the Japanese Goverment, are coming to the Osaka Harbour by the S.S. Rōjō maru.

Therefore, we apply for the permit of purchasing these 100 tons.

7. Recommendation by the Commerce and Industry Section of Toyama Prefecture.

We recommend this application in view of that the material is indispensable for manufacturing people's living necessities.

Signed H. Kanayama

8. Permission (is) ~~(is not)~~ hereby granted to purchase the material as requested in this application.

Signed Eugene Moss, Capt. CAC

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

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

25 September 1946

SUBJECT: OI 1/2 Report (Nippon Soda Co.,Ltd., Takaoka 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 OI 1/2, Hq I Corps, dated 20 July 1946;

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

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

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

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

FOR THE COMMANDING OFFICER;

Incl; 1.
Check Sheet (5 copies)

EUGENE MOSS
Captain C.A.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: Nippon Soda Co., Ltd.

2. Plant: Takaoka 3. Code Number: Not received yet

4. Address: No.420 Mukaino Machi, Takaoka City, Toyama Prefecture

5. Year Construction Completed: 1934

6. Number of Machines Suitable for Reparations: Approx 330

7. Principal Pre-1941 Products:

Product	Approximate % of Production
Caustic Soda	639,351,72 (Yen)
Alumina	5,246,055,66 (Yen)
Aluminum	14,979,442,95 (Yen)
Anode Carbon	2,139,887,71 (Yen)
Sulfamine	896,494,92 (Yen)

8. Principal 1941-1945 Products:

Product	Approximate % of Production
Alumina	1,800 Ton (Per Month)
Aluminum	1,000 Ton (Per Month)
Hydrochloric Acid	500 Ton (Per Month)
Caustic Soda	450 Ton (Per Month)

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

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

13 June 1946

SUBJECT: Reconversion Permit

TO : Commanding General, I Corps, APO 301 (Kyoto, Honshu)

ATTN : Mil. Gov. Sec., Industry Officer

1. This headquarters issued a permit under date of 12 June 1946 to the Tahara factory of Nippon Soda Company and in the forwarding cover letter, dated 12 June 1946, to your headquarters erroneously stated that this concern was not Zaibatsu controlled.

2. Information is requested as to whether or not permit should be withdrawn or whether any further action at all should be taken.

3. With regard to the issuance of permits by this headquarters clarification is requested of the following points.

a. Is it necessary to forward to higher headquarters applications of plants of whose stock Zaibatsu owns as little as ten percent?

b. Is it necessary to forward to higher headquarters applications of plants of whose stock OD-5 plants own less than 50%?

c. Is it necessary to forward to higher headquarters all applications of plants receiving any government funds?

4. Early clarification of these matters is requested.

FOR THE COMMANDING OFFICER:

WALLACE M. O'REILLY
Capt CAC
Adjutant

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

BASIC: Ltr, Hq 30th Mil Govt Co, subj: "Reconversion Permit", dtd 13 June 1946.

- -

AG 004 - BA 1st Ind EHN/mth

Hq I Corps, APO 301, 20 JUN 1946

TO: CO, 30th Mil Govt Co, APO 710

1. Due to the insignificant size of the Tahara factory of the Nippon Soda Factory, it is not necessary to recall the reconversion permit issued to this plant. No further action is necessary in this case.

2. With regard to paragraph 3 of basic communication, the following policy is stated for your information:

a. It is not necessary to forward to this headquarters applications of plants of comparatively minor importance in which the Zaibatsu control is not more than 10%. While it is difficult to set an exact point at which applications of this nature should be submitted to this headquarters, in the ordinary instance, if 25% of the stock is Zaibatsu controlled, it should be submitted to higher headquarters. However, if the plant were one of considerable size and importance, the application should be submitted to this headquarters in any event.

b. Numerous plants are listed on OD-5, Headquarters Eighth Army, which are not members of the Zaibatsu. The factor determining whether an application should be submitted to this headquarters is not whether it is on OD-5, but whether it is a member of the Zaibatsu. If the company is of major importance, and the Zaibatsu interests are involved, the application will be forwarded to this headquarters.

c. It is not necessary to forward all applications to this headquarters of plants receiving government funds. If the amount of money involved is not of major importance, your headquarters may issue the necessary reconversion permit.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

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

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

12 June 1946

SUBJECT: Reconversion of the Nippon Soda Co., Ltd., Tahara Factory, No. 10, Kozaki, Haze, Tahara-machi, Atsumi-gun, Aichi Pref.

TO : Commanding General, I Corps, APO 301 (Kyoto, Honshu)

ATTN : Mil. Gov. Sec., Industry Officer

1. Transmitted herewith are four (4) copies of a reconversion permit issued to the Nippon Soda Co., Ltd., Tahara Factory by this headquarters.

2. During the war this plant produced bromine and at present is producing salt. This company did receive government subsidies amounting to several hundred thousand yen, but it is noted that of the 3,880,000 shares of stock no one person owns more than 10%.

3. This plant is not listed on CD-5, is not apparently controlled by Zaibatsu interests and has been inspected by this headquarters to determine that all statements made in the attached application are correct.

FOR THE COMMANDING OFFICER:

Wallace M. O'Reilly
WALLACE M. O'REILLY
Capt CAC
Adjutant

Incls: 1 permit
(4 copies)

1 application
(4 copies)

DM7237

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

HEADQUARTERS
30TH MILITARY GOVERNMENT CO
APO 25 (Nagoya Honshu)
710

File 30TH MG - 116

SUBJECT: Permit for Reconversion

TO : Nippon Soda Co., Ltd., Tahara Factory,
No. 10, Kozaki, Haze, Tahara-machi, Atsumi-gun,
Aichi Pref.

1. a. In accord with paragraph 3, b, Directive Number Three (3) from the Supreme Commander to the Imperial Japanese Government, dated 22 Sep 45, the Nippon Soda Co., Ltd., Tahara Factory is permitted to immediately start production of salt (None and

(Nothing follows)

Items)

b. Maximum production currently authorized is 600 tons.

2. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products, and the establishment of sales prices will be in accord with the regulations of the Imperial Japanese Government.

3. Until otherwise directed by this headquarters, a monthly report in English of each time, by name, type and quantity produced by each factory, sub-contractor subsidiary within this factory's control will be delivered to 30th Military Government Industry Office by the fifteenth (15) day of the following month.

4. It is understood that this permit for reconversion is issued subject to any and all directives affecting re-conversion, ultimate disposition or otherwise, which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this headquarters.

FOR THE COMMANDING OFFICER:

Wallace M. O'Reilly
WALLACE M. O'REILLY
Capt CAC
Adjutnat

Info Copy to:
SCAP (Attn: ESS) (1)
SCAP (Attn: G-2) (1)
CG Eighth Army (Attn: Mil Govt) (1)
CG I Corps (Attn: Mil Govt) (1)
Nagoya Liaison Office (1)
Governor of Prefecture concerned (1)

Incl. # 2

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

Serial No. 01 Report

APPLICATION FOR OPERATION OF AND REPORT ON INDUSTRIAL FACILITIES.

TO:

Thru:

FROM: Nippon Soda Co., Ltd. Tahara Factory
No.10, Kozaki, Haze, Tahara-machi,
Atsumi-gun, Aichi Prefecture.

June th, 1946.

1. Name of Facility: Nippon Soda Co., Ltd. Tahara Factory.

2. Location: No.10, Kozaki, Haze, Tahara-machi, Atsumi-gun, Aichi Prefecture.

3. Name of President or Manager: Teiji Owada, President.

4. History:

a. Date of construction: Oct. 17, 1943.

b. Date of first operation: Oct. 17, 1943.

c. 1935-1941 Production (Annual value in Yen; quantities of principal products by units or weights.)

None. (Not yet operated)

d. Present capitalization in Yen: Nominal ¥194,000,000
Paid up ¥137,000,000
(of the whole Company)

e. Changes made in capital structure since 1935:

Date	Nomonel(¥1,000)	Paid up(¥1,000)
Jan. 1935	10,000	5,200
Nov. 1935	10,000	6,800
May. 1936	10,000	8,400
July 1936	10,000	10,000
Nov. 1936	25,000	13,750
March 1937	25,000	17,500
April 1937	28,840	18,460
July 1937	28,840	28,040
Sep. 1937	80,000	41,630
Jan. 1938	80,000	54,420
Dec. 1938	104,000	71,160
April 1939	104,000	87,545
" 1940	104,000	104,000
Oct, 1940	180,000	123,000
" 1944	184,000	127,000
Nov. 1945	194,000	137,000

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f. Name and address of parent company:

None.

g. Number of shares outstanding: 3,880,000 shares.

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

Those owning 10% or more of total: None.

i. Funds received from Government (Bounties, Subsidies, etc.)
1) Subsidies, ¥102,600 for Salt Plant (electrical) received in 1946.
2) " , ¥100,000 for Salt Field Received in 1946.
(For this factory)

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

5. Description:

a. Principal Products.

1. Wartime, Bromine.

2. At present, Salt.

3. Planned for 1946-47, Salt.

b. Capacity.

1. Wartime, Bromine, 246 tons a year.

2. At present, Salt, 120 tons a year.

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

Salt 600 tons a year.

c. Number of Employees.

1. Wartime, 347

2. At present, 62

3. 1946-47 (At maximum capacity) 62

6. Machinery & Equipment in Plant: On sererate sheets.

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7. Present stocks of Raw Materials, Supplies and Unfinished Goods.

Description	Quantity	Condition
Sulphuric Acid	161,000 kg.	Good.
Sodium Hydro-oxide	19,000 kg.	"
Calcium Oxide	16,000 kg.	"

8. Present stocks of Finished Goods.

Description	Quantity	Condition
Bromine	525 kg.	Good.
Salt	17,[illegible] kg.	"

9. Present stocks of Fuel:

Description	Quantity
Coal	50 tons
Heavy Oil	7,[illegible]00 l.

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

	Description		Quantity
1.	Salt Field		12 acres
2.	Transformer (single phase)	100KVA	7 sets
3.	Switch Board	50A	7

11. Raw materials & supplies needed (monthly)

a. For Present Capacity (5)2 above)

Description	Quantity
Electricity (for Salt plant)	375,000 KWH

b. For Maximum (5)3 above)

Description	Quantity
Electricity (for Salt plant)	563,000 KWH

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

Description	Quantity
Heavy Oil (for motor vessel)	900 l.

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13. Additional Personnel needed (Not locally available)

Special Skills	Number
None.	

14. Prices (Give current selling prices in Yen of Principal Products)

Description	Unit	Price
~~Bromine~~	~~ton~~	~~¥ 19,000~~
Salt	ton	¥ 2,500

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

None.

16. Certification by applicant:

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

Signed S. Kawakata

Title manager

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. Authorized to produce at the following rate:

Item to be manufactured	Monthly quantity

Signature of Authorizing Officer

Designation of Authorizing Unit

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

Machinery & Equipment in Plant
(B in the Application)

a. Bromine Producing Plant (Operation Suspended Most of the machineries being taken down and carefully kept)

Description	Capacity	Quantity	Maker	Owner
Absorption Tower (terro-concrete)	59'X141'X49' (high)	1		ours
Distillation Tower (granite)	3'X3'-9"X22' (high)	4		"
Sea water Pump	16"	3	Ebara Seisaku-sho	"
Motor	150HP	3	Shibaura	"
Circulating pump.	6"	12	7 Daitoa Gomu 5 Dengyo-sha	"
Motor	30HP	12	Hitachi Meidensha	"
Vertical pump	2"	1	Not Exact	"
Motor	3HP	1	Fuji Denki	"
Plunger Pump		1	Not exact	"
Diaphragm Pump		2	Daiichi Sangyo	"
Motor	7½HP	1	Not exact	"
Exhaust Fan	700m³/min.	8	Hitachi	"
Motor	30HP	8	Meidensha Yasukawa	"
Porcelain Pump	2"	3	Nihon Gaishi	"
Motor	3HP	3	Not exact	"
Centrifugal pump.	3"	1	" "	"
Motor	3HP	1	" "	"
Rubber lined centr-pump	4"	1	Daitoa Gomu	"
Motor	10HP	1	Hitachi	"
Boiler	Heat area 1,230sq.ft	1		"
Boiler	Heat area 840sq.ft	1		"

Above mentioned machineries are all in good condition.

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b. Salt Plant.

Description	Capacity	Quantity	Maker	Owner	Condition
Transformer (Single phase)	10CKVA	7	Meidensha	ours	Good
Switch Board		3		"	"
Evaporating Tank		4		"	"
Crystallizing Tank		2		"	"
Seawater storage Vat	(wooden)	2		"	"
Sea water Pump	2"	1	Dengyosha	"	"
Motor	3HP	1	Meidensha	"	"
Separator	650/250 (deep)	1		"	Not good
Motor	2HP	1		"	Good
Waste Liquid Pump	1½"	1	Appollo works	"	"
Motor	1HP	1	Meidensha	"	"
Waste Liquid Storage Vat	-	1		"	"
Brine Pump	3"	1		"	"
Motor	5HP	1	Shibaura	"	"
Brine Pump	2"	1		"	"
Motor	3HP	1	Hitachi	"	"

c. Sweet Potato Flour Mill

Description	Capacity	Quantity	Maker	Owner	Condition
Washer		1		ours	Not good
Cutter	~~5HP~~	1		"	"Good"
Motor	5HP	1	Shibaura	"	Good
Rough Crusher		1		"	"
Motor	10HP	1	Hitachi	"	"

- Continued -

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Description	Capacity	Quantity	Maker	Owner	Condition
Fine Crusher		1		ours	Good
Motor	7½HP	1	Yasukawa	"	"
Fan	6"	1		"	"
Motor	1/2HP	1	Mistubi shi	"	"
Fan	6"	1		"	"
Motor	1/2HP	1	Shibaura	"	"

d. Turpentine oil Plant (Operation Suspended)

Description	Capacity	Quantity	Maker	Owner	Condition
Vertical dry distiller		1		ours	Good
Horizontal dry distiller		1		"	"
Refinning distiller		1		"	"
Centrifugal Pump	1½"	1		"	"
Motor	2HP	1		"	"
Centrifugal Pump	1½"	1		"	"
Motor	3HP	1		"	"

e. Motor Vessel (wooden)

Description	Capacity	Quantity	Maker	Owner	Condition
Motor Vessel	37 tons	1	Atsumi Dockyard	ours	good

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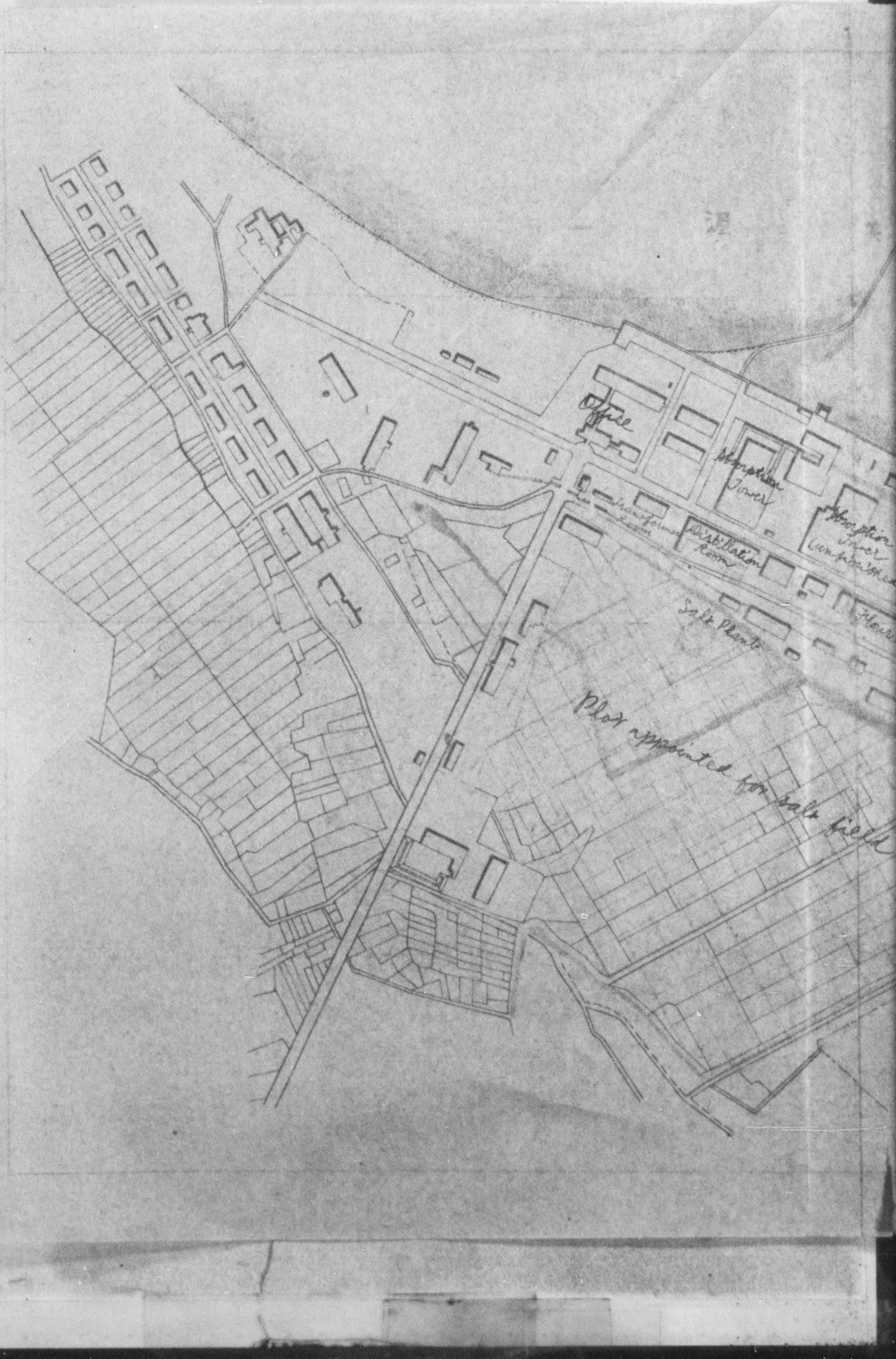

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775 013

N.T.工	水工学設計図
No. H-01	縮尺 1/2400
日本曹達	国府工場附近 部平面図
昭和	20年 11月 7日
作図	日本曹達国府工場

LIST OF

MACHINARIES AND EQUIPMENTS OF

CAUSTIC SODA AND SULFURIC ACID PLANT

TO THE TOYAMA MILLITARY GOVERNMENT TEAM

THRU TOYAMA PREFECTURE

26th August 1946

TAKAOKA PLANT NIPPONSODA CO., LTD.

No. 420 MUKAINO-MACHI TAKAOKA CITY

TOYAMA PREFECTURE

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List of Machineries and Equipments of

Caustic Soda.

(1) Salt Solution Equipment.

	Name of Machinery	Number	Capacity and Size	Maker's Name	Remarks
1.	Settling Tank	3	4500m/m ø x 4500m/m	Nagashima Works	
2.	"	2	"	Dai-ichi Sangyo Co.,	
3.	"	2	5400m/m ø x 4500m/m	"	
4.	"	2	3000m/m ø x 4500m/m	"	
5.	"	2	3000m/m ø x 4750m/m	Home -Made	
6.	"	4	4700m/m ø x 4500m/m	Saga Zosen Works	
7.	Filter Press	4	Iron 28" x 27Plate	Kojima Iron Works	
8.	"	2	" 27" x 30 "	"	Impossible to Use
9.	Diaphragm Pump	2	5 3/4" x 12 "	Toyo Works	
10.	"	2	5 1/4" x 12"	Dai-ichi Sangyo Co.,	
11.	Dissolving Tank	2	1800m/m ø x 2700m/m	Endo Co.,	
12.	Backet Eleveater	1	Lift 12 Meter	"	
13.	Cooling Tank	3	3600m/m øx 4500m/m	Tamai Iron Works	
14.	Circulating Tank	1	3040m/møx 3950m/m	Home -Made	
15.	Certrifugal Separator	1	Vertical Type, Bascket Diameter 23"	Namba Iron Works	
16.	Ammonia Compressor	1	Horizontal 10"øx20"	Kitano Co.,	
17.	Ammonia Codenser	1	Vertical 34" x 3'= 6"	Kinoshita Co.,	
18.	Liq. Ammonia Receiver	1	20" ø x 6'	"	
19.	Brine Cooler	1	26" ø x 12'	"	

4.	"	2	3000m/m ø x 4500m/m	"
5.	"	2	3000m/m ø x 4750m/m	Home -Made
6.	"	4	4700m/m ø x 4500m/m	Saga Zosen Works
7.	Filter Press	4	Iron 28" x 27Plate	Kojima Iron Works
8.	"	2	" 27" x 30 "	" Impossible to Use
9.	Diaphragm Pump	2	$5\frac{3}{4}$" x 12 "	Toyo Works
10.	"	2	$5\frac{1}{4}$" x 12"	Dai-ichi Sangyo Co.,
11.	Dissolving Tank	2	1800m/m ø x 2700m/m	Endo Co.,
12.	Bucket Eleveater	1	Lift 12 Meter	"
13.	Cooling Tank	3	3600m/m øx 4500m/m	Tamai Iron Works
14.	Circulating Tank	1	3040m/møx 3950m/m	Home -Made
15.	Certrifugal Separator	1	Vertical Type, Bascket Diameter 23"	Namba Iron Works
16.	Ammonia Compressor	1	Horizontal 10"øx20"	Kitano Co.,
17.	Ammonia Codenser	1	Vertical 34" x 3'= 6"	Kinoshita Co.,
18.	Liq. Ammonia Receiver	1	20" ø x 6'	"
19.	Brine Cooler	1	26" ø x 12'	"
20.	Accumulator	1	14"øx 4'	"
21.	Brine Serge Tank	1	1750m/m x 1750m/mx1400m/m	Home Made
22.	Soda Ash Dissolving Tank	2	1400m/m øx 1730m/m	"
23.	Absorption Tower	1	Porcelain 750m/mø 1800m/m	Takayama Co
24.	Blower	1	Rotary Type 50c.f./min	Seki Works
25.	"	1	Porcelain 4"	Takayama Co.,
26.	Porcelain Tank	2	1200m/m ø x 1850m/m	"

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27. Balance	1 ⁄	2Ton	Tanaka Co.,
28. Centrifugal Pump	1 ⁄	Porcelain 80m/m ø	Nippon Gaishi Co.,
29. Turbin Pump	4 ⁄	Iron 3"	Miura Works
30. "	4 ⁄	" National Type 4"	Yodogawa Works
31. Centrifugal Pump	1 ⁄	Iron 2"	Tamai Works
32. "	2 ⁄	" 2"	Dai-ichi Sangyo Co.,
33. "	1 ⁄	" 3"	Kinoshita Co.,
34. Motor	7 ⁄	3 HP	Fuji Elect W.,
35. "	5 ⁄	5 HP	"
36. "	1 ⁄	7.5 Hp	"
38. "	1 ⁄	15HP	Meidensha E.W.
37. "	1 ⁄	7.5Hp	Shibaura E.W.
39. "	1 ⁄	20 HP	Fuji E.W.
40. "	2 ⁄	"	Mitsybishi E.W.

Total 78

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(2) Electrolysis Equipment .

	Name of Machinery	Number	Capacity and Size	Maker's Name	Remarks
1.	Electrolysis Cell	146	Mercury System 4000A 740m/mx5920m/mx310m/m	Home Made	
2.	Decomposition Vessel	146	340m/mx5580m/mx215M/m	"	
3.	Mercury Pump	146	400%φ x 20 x 40	"	
4.	Electrical Conduntor	1	Copper Plate 1/4 x 4"	Furukawa E.W.	
5.	Head Tank for Water	1	1300m/m Ø x 3100m/m	Home Made	
6.	Centrifugal Pump	3	2"	Unknown	
7.	Heating Tank for Water	2	470m/m Ø x 1200 m/m	Home Made	
8.	Caustic Soda Solution Tank	2	2200m/m Ø x 2700m/m	"	
9.	"	2	1900m/m Ø x 3000m/m	Sato Co.,	
10.	"	1	1200m/m Ø x 1200m/m	Home Made	
11.	Caustic Soda Receiving Tank	1	2400m/m x 1220m/m x 1140m/m	Home Made	
12.	"	1	1240m/m x 880m/m x 900m/m	"	
13.	Centrifugal Pump	2	2"	Tamai Iron W.	
14.	"	2	3"	"	
15.	Storage Tank for Salt Solution	1	4500m/m Ø x 4500m/m	Nabetani Co.	
16.	Head Tank for "	1	1400m/m Ø x 1400 m/m	Home Made	
17.	Turbo Blower	3	200m/mØ	Seki Works	
18.	Centrifugal Pump	5	Porcelain 3"Ø	Nippon Caishi Co.,	1 Impossible to Use
19.	"	3	Iron 4"φ	Home Made	

6. Centrifugal Pump	3	2"		Unknown
7. Heating Tank for Water	2	470m/m ø x 1200 m/m		Home Made
8. Caustic Soda Solution Tank	2	2200m/m ø x 2700m/m		"
9. "	2	1900m/m ø x 3000m/m		Sato Co.,
10. "	1	1200m/m ø x 1200m/m		Home Made
11. Caustic Soda Receiving Tank	1	2400m/m x 1220m/m x 1140m/m		Home Made
12. "	1	1240m/m x 880m/m x 900m/m		"
13. Centrifugal Pump	2	2"		Tamai Iron W.
14. "	2	3"		"
15. Storage Tank for Salt Solution	1	4500m/m ø x 4500m/m		Nabetani Co.
16. Head Tank for "	1	1400m/m ø x 1400 m/m		Home Made
17. Turbo Blower	3	200m/mø		Seki Works
18. Centrifugal Pump	5	Porcelain 3"ø		Nippon Gaishi Co., 1 Impossible to Use
19. "	3	Iron 4"ø		Home Made
20. Trommel	1	1050 m/m ø x 2730m/m		"
21. Stirring Washer	1	1580 m/m ø x 840m/m		"
22. "	1	1100M/m ø x 420m/m		"
23. Vacuum Pump	1	6m/m ø		Unknown
24. Distillatory Pot for Mercury	1	10 l.		Home Made
25. Motor	1	1Hp		Meiden E.W.
26. "	4	3HP		Fuji E.W.
27. "	1	3HP		Hitachi E.W.
28. "	2	5Hp		Fuji E.W.

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29.	Motor	1	5HP	Hitachi E. W.	Impossible to Use
30	"	1	5HP	Mitsbishi E.W.	"
31	"	4	7.5 HP	Fuji E.W.	
32	"	1	7.5 Hp	Hitachi E.W.	
33.	"	1	7.5 HP	Mitsubishi E.W.	
34.	"	1	15HP	Fuji E.W.	
35.	"	3	15 HP	Hitachi E.W.	
36.	"	2	20 HP	Fuji E.W.	
37.	Blower	2	Porcelain 6"	Takayama Kojyan Co.,	

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(3) Evaporating Equipment .

Name of Machinery	Number	Capacity and Size	Maker'sName	Remarks .
1.Vacuum Evaporator	2	Bascket Type Heating Surface 90m^2	Dai-ichi Sangyo Co.,	
2. Barometric Condenser	1	800m/mØx 7000m/m	"	
3. Store Tank for 50°Be Caustic Soda Aqueous Solution	1	2700m/mØ x 3000m/m	Nabetani Co.,	
4. Consentrating Pan	2	1900m/m Øx 1850m/m	Kaneko Works	
5. Stoker	2	Coal Charge 3ton/day	Umeoka Works	
6. Motor	2	3HP	Fuji Electric Works	
7.Blower	1	Dia. 400m/m	Seki Works	
8. Motor	1	15 HP	Fuji Electric Works	
9. Chimney	1	910m/m Ø x 22600m/m	Home Made ,	Impossible to Use

/3

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(4) Electric Equipment .

Name of Machinery	Number	Capacity and Size	Maker's Name	Remarks
1. Rotary Converter	2	60 Cycles 1500k.W. 4000A	Shibaura W.	1 Unnecessary for present capacity
2. "	1	" 1200k.W. 4000A	"	
3. Switch Board	1	3 Phase 3300V x 500A	"	
4. "	1	" " x 300A	"	
5. "	1	" " x 600A	Sanko Co.,	Unnecessaary for present capacity
6. " for Converter	3	6 Phase 2000A	Shibaura W.	
7. Switch Board	3	D.C. 4000A	"	1 Unnecessary for pressent capacity
8. Transformer	2	3 Phase 1700KVA 60 Cycles 3300V-300V	"	
9. "	1	" 1320KVA 60 Cycles 3300V-2300V	"	
10. Induction voltage Regulator	1	3 Phase 220KVA 3300V _ 330V	"	Attached to the unnecessary converter
11. Transformer	3	Single phase 200KVA 3300V-220V-110V	MaidenE.W.	
12. Switch Board	1	3 Phase 3300V x 200A	Irisawa Co.,	
13. "	1	" 200V x750A	Home Made	
14. "	1	" 3300v x 500 A	Irisawa Co.,	

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List of Machineries & Equipments of Sulfuric Acid

	Name of Machinery	Number	Capacity and Size	Maker's Name	Remarks
1.	Roll Crusher	1	5" x 8"	Sakata Co.,	
2.	Backet Elevator	1	400m/m x 800m/m Lift 11000m/m	Fukagawa Co.,	
3.	Furnace	1	10ton Pyrite/day	Dai-Nippon Jinzo Hiryo Co.,	
4.	Blower	1	12"	Seki Works	
5.	Cottrell Dust Catcher	1	At high temp 4700m/m x4877m/m x8300m/m	Home Made	
6.	"	3	At low temp 1300m/m x 1300m/mx7000m/m	Miyamoto Lead Works	
7.	Turbin Pump	1	2" (Hard lead)	Home Made	
8.	"	1	$1\frac{1}{2}$" (")	"	
9.	Washing Tower No.3	1	1900m/m ø x 7000m/m	Miyamoto Lead Works	
10.	Electric Rectifier	3	5KVA 65000 V	Fuji E.".	
11.	Switch for Cottorell	3		"	
12	Washing Tower No. 1	1	1850m/m ø x 9000 M/m	Miyamoto Lead W.	
13.	" No. 2	1	1150m/m ø x 9000m/m	"	
14.	Acid Cooling Tank	4	1400m/m ø x 1400m/m	"	
15.	Acid Circulating Tank	4	"	"	
16.	Turbin Pump	2	2" (Ferro -Silicon)	Nissan Kagaku Co.,	
17.	"	1	2" (Hard Lead)	Home Made	
18.	Dust Settling Vessel	2	3000m/m x 1500m/m x 1500m/m	"	
19.	Exhaust Acid Tank	2	"	"	
20.	Gas Drying Tower	1	1400m/m x 5500 M/m	"	
21.	Absorption Tower	3	"	"	

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6.	"	3	At low temp 1300m/m x 1300m/mx7000m/m	Miyamoto Lead Works
7.	Turbin Pump	1	2" (Hard lead)	Home Made
8.	"	1	$1\frac{1}{2}$" (")	"
9.	Washing Tower No.3	1	1900m/m ø x 7000m/m	Miyamoto Lead Works
10.	Electric Rectifier	3	5KVA 65000 V	Fuji E."."
11.	Switch for Cottorell	3		"
12	Washing Tower No. 1	1	1850m/m ø x 9000 M/m	Miyamoto Lead W.
13.	" No. 2	1	1150m/m ø x 9000m/m	"
14.	Acid Cooling Tank	4	1400m/m ø x 1400m/m	"
15.	Acid Circulating Tank	4	"	"
16.	Turbin Pump	2	2" (Ferro -Silicon)	Nissan Kagaku Co.,
17.	"	1	2" (Hard Lead)	Home Made
18.	Dust Settling Vessel	2	3000m/m x 1500m/m x 1500m/m	"
19.	Exhaust Acid Tank	2	"	"
20.	Gas Drying Tower	1	1400m/m x 5500 M/m	"
21.	Absorption Tower	3	"	"
22.	Acid Cooler	6	3" x 3000m/m x 18	Kubota Iron Works
23.	Tubin Pump	6	2"	Home Made
24.	"	1	2" (Ferro-Silicon)	Shimazu Works
25.	Acid-Circulating Tank	4	1400m/m ø x 1300m/m	Home Made
26.	Dilution Tank	1	1400m/m ø x 1400m/m	"
27.	"	1	Enamel -Lining 1500m/m ø x 1700m/m	Dai-ichi Horo Co.
28.	Turbo Blower	2	28^{cm}/min	Seki Works

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29.	Gas Filter	1	Porcelain 1500m/m ø x 600m/m	Nippon Gaishi Co.,
30.	Heat Exchanger	1	1200m/m ø x 3300m/m	Niigata Iron W.
31.	Converter	1	2200m/m ø x 3000m/m	Sato Iron W.
32.	Air Cooler	1	1000m/mø x 3300m/m	Nagaoka W.
33.	Preheater	1	1000m/m ø x 1500m/m	Ishii W.
34.	Exhaust Fan	1	8" ø	Seki Works
35.	Roots Blower	1	4" ø	"
36.	Pyrometer	1	0-800°C	Hokushin W.
37.	Receiver	3	10 ton	Junan I.W.
38.	"	2	10 ton	Suzuki Co.
39.	Storgae Tank	3	80 ton	Nabetani Co.,
40.	"	1	50 ton	Saga Zosen W.
41.	Turbin Pump	2	2" ton	Home Made
42.	Balance	1	750 KG	Tanaka Co.,
43.	"	1	1000KG	"
44.	Motor	5	2HP	Fuji E.W.
45.	"	9	3HP	"
46.	"	5	5HP	"
47.	"	1	7.5 HP	"
48.	"	1	10 HP	Mitsubishi E.W.
49.	"	1	15 HP	"
50.	"	1	15 HP	Meiden E.W.
51.	Measuring Tank	1	1200m/m ø x 3500m/m	Home made
52.	As Stone Tank	1	1800m/m ø x 1100m/m	"

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DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773013

Application for Conversion of

Report on Industrial Facilities .

To: The Eighth United States Army.

Thru : Military Government Team.

25 th Aughust 1946

Takaoka Factory Nippon-Soda Co., Ltd.

No. 420 Mukaino-cho . Takaoka City

Toyama Prefecture.

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773 013

1. Name of factory : Takaoka Factory Nippon Soda Co., Ltd.
2. Location : No. 420 Mukaino-cho Takaoka, Toyama Prefecture.
3. Name of Representative : Katsumi Ōga.
4. History :
   a. Date of Construction : Sept . 1934.
   b. Date of first Operation : Oct. 1934.
   c. 1933-1941 Production : See Annex No. 1 .
   d. Present capitalization in yen :
      Authorized 194,000,000 yen .
      Paid-up 137,000,000 yen .
   e. Changes made in capital structive since 1935.
      See : Annex No.2.
   f. Name and address of parent company :
      Nippon Soda Co., Ltd.
      Kishimoto Building, No. 18 Marunouchi 2-chome, Kojimachi-ku,
      Tokyo.
   g. Number of shares outstanding .
      New Shares 1,520,000
      Old Shares 2,360,000
   h. Number of stockholders : 43,444
      Name of those owing 10% or more of the total : None .
   i. Funds received from goverment : 200,000 yen.

4. History :

a. Date of Construction : Sept . 1934.

b. Date of first Operation : Oct. 1934.

c. 1933-1941 Production : See Annex No. 1 .

d. Present capitalization in yen :

Authorized 194,000,000 yen .

Paid-up 137,000,000 yen .

e. Changes made in capital structive since 1935.

See : Annex No.2.

f. Name and address of parent company :

Nippon Soda Co., Ltd.

Kishimoto Building, No. 18 Marunouchi 2-chome, Kojimachi-ku,

Tokyo.

g. Number of shares outstanding .

New Shares 1,520,000

Old Shares 2,360,000

h. Number of stockholders : 43,444

Name of those owing 10% or more of the total : None .

i. Funds received from goverment : 200,000 yen.

j. On reverse sid give outline sketch of plant eayout with approximate dimensions : See Annex No. 3.

5. Description .

a. Principal products & B. Cappacity Monthly.

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

(1) Wartime

Name of Products	Capacity (Per month)	
Caustic Soda	450	ton
Hydrochloric Acid	500	"
Bleaching Powder	150	"
Liquid Chlorine	200	"
Sulphuric Acid	260	"
Aluminum	1,000	"
Alumina	1,800	"
Cryolite	~~120~~ 100	"
Anode Carbon (Paste)	300	"
Anode Carbon (Block)	450	"
Hexachlorethan	50	"
Aluminium Chloride	80	"

(2) Present (1936 .5.31)

Name of Products	Capacity (Per month)	
Caustic Soda	200	ton
Hydrochloric Acid	500	"
Bleaching Powder	150	"
Liquid Chlorine	200	"
Sulphuric Acid	260	"
Chlor-Sulphonic Acid	40	"
Saccharin	1	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773013

Bleaching Powder	150	"
Liquid Chlorine	200	"
Sulphuric Acid	260	"
Aluminum	1,000	"
Alumina	1,800	"
Cryolite	100	"
Anode Carbon (Paste)	300	"
Anode Carbon (Block)	450	"
Hexachlorethan	50	"
Aluminium Chloride	80	"

(2) Present (1936 .5.31)

Name of Products	Capacity (Per month)	
Caustic Soda	200	ton
Hydrochloric Acid	500	"
Bleaching Powder	150	"
Liquid Chlorine	200	"
Sulphuric Acid	260	"
Chlor-Sulphonic Acid	40	"
Saccharin	4	"
Briquette	75,000	Piece
Artificial Fruits Syrup	90,000	L

(3) Planned for 1946 - 1947.

Name ofProducts	Capacity (per month)	
Caustic Soda	270	ton
Hydrochloric Acid	500	"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773 013

Bleaching Powder	150	ton
Liquid Chlorine	200	"
Sulphuric Acid	260	"
Chlor-Sulphonic Acid	100	"
Sulfamine	4,5	"
Sulfaguanidine	2	"
Saccharin	4	"
Briquette	75,000	piece
Artificial Fruits Syrup	90,000	L
Penicillin	5,000	unit of ten thousands
Glass Goods	10	ton
Sulfamethyl Thyazol	2	"
Chloramine T	2	"
H - Acid	3	"
Trichlorethlene	70	"
Acetosulfamine	0,3	"
Paratruolsulphoamide	2	"

c. Number of Employers

(1) Wartime 4,903

(2) Present 1,080 ~~970~~

(3) 1946 - 1947 1,300

6. Mechanical Equipment in plant .

(1) See Annex No. 4

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773 013

Sulfamine	4,5	"
Sulfaguanidine	2	"
Saccharin	4	"
Briquette	75,000	Piece
Artificial Fruits Syrup	90,000	L
Penicillin	5,000	unit of ten thousands
Glass Goods	10	ton
Sulfamethyl Thyazol	2	"
Chloramine T	2	"
H - Acid	3	"
Trichlorethlene	70	"
Acetosulfamine	0,3	"
Paratruolsulphosmide	2	"

c. Number of Employers

(1) Wartime	4,903
(2) Present	1.080 ~~972~~
(3) 1946 - 1947	1,300

6. Mechanical Equipment in plant .

See Annex No. 4

7. Present stocks of Raw Materials, Supplies and Unfinshed Good :

See Annex No.5

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 773 013

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(4)

PRESENT stock of Rawmaterials Supplies and Unfinished Good

8. ~~Supplies (Complete and accurate)~~ (1946. 7. 31)

Name	Quantity (Unit is ton)	
Caustic Soda	164,935	kg
Hydrochloric Acid	25,758	"
Bleaching Powder	14,895	"
Lequid Chlorine	3,750	"
SO3 Sulphuric acid	213, 478	"
Chlor Sulphonic Acid	15,866	"
Chlor Sulphonic Acid	5,705	"
Sulfamin	60	"
Saccharin	54,610	Puce piese
Briquette	46,788	kg
Aluminum	143,946	"
Anode Block Carbon	1,453	"
Cryolite		

9. Present stocks of fuel (1946 . 7. 31)

Coal 330,000 kg

10. Machinary and Equipment needed for maxiamum production 1946 - 1947.

(1) Sulfamine

a. Sulfonation One set

b. Amidation "

Caustic Soda	164,935	kg
Hydrochloric Acid	25,758	"
Bleaching Powder	14,895	"
Lequid Chlorine	3,750	"
Chlor Sulphonic Acid	213, 478	"
[illegible]	15,866	"
Sulfamin	5,705	"
Saccharin	60	"
Briquette	54,610	Puce piese
Aluminum	46,788	kg
Anode Block Carbon	143,946	"
Cryolite	1,453	"

9. Present stocks of fuel (1946 . 7. 31)

Coal 330,000 kg

10. Machinary and Equipment needed for maxianum production 1946 - 1947.

(1) Sulfamine

a. Sulfonation	One set
b. Amidation	"
c. Hydrolysis	"
d. Re-Crystalization	"
e. Refrigeration	"
f. Drying	"

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(2)	Sulphaguanidine	
	b. Guanidination	One set "
	c. Hydrolysis	"
	d. Re-Crystalisation	"
	f. Drying	"
(3)	Glass Goods	
	a. Mixing	One set
	b. Fusion	"
	c. Blowing	"
	d. Annealing	"
(4)	Sulfa methyl thyazol	
	a. Synthesis of mono-chloracetan	One set
	b. Synthesis of methyl thyazol	"
	c. Thazolation	"
	d. Hydrolysis	"
	e. Re-crystalisation	"
	f. Drying	"
(5)	Chrolamin T	
	a. Amidation	One set
	b. Re-Crystaliyation	"
	c. Chlorination	"
	d. Deposition	"

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b. Guanidination	"
c. Hydrolysis	"
d. Re-Crystalization	"
f. Drying	"
(3) Glass Goods	
a. Mixing	One set
b. Fusion	"
c. Blowing	"
d. Annealing	"
(4) Sulfa methyl thyazol	
a. Synthesis of mono-chloracetone	One set
b. Synthesis of methyl thyazol	"
c. Thiazolation	"
d. Hydrolysis	"
e. Re-crystalization	"
f. Drying	"
(5) Chrolamin T	
a. Amidation	One set
b. Re-Crystaliyation	"
c. Chlorination	"
d. Deposition	"
E. Puriffing	"
f. Drying	"

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(6) H-Acid	
a. Sulfonation	One set
b. Nitration	"
c. Reduction	"
d. Alkali fusion	"
e. Drying	"
(7) Trichlorethen	
a. Alkali-treatment	"
(8) Aceton Sulfamin	
a. Acetylation	One set
b. Hydrolysis	"
c. Re-Crystalization	"
d. Drying	"

11. Raw materials and supplies needed(monthly): See Annex No.6

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

Coal	20,000 kg
Electric power	3,000 K.W.

13. Additional Personnel needed (not locally available): None

14. Prices

Name	Unit	price
Caustic Soda	per ton	5,130 Yen
Hydrocheric Acid	"	1,380 "
Bleaching Powder	"	1,380 "
Liquid Chlorine	"	[illegible]

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