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

GHQ/SCAP Records (RG 331, National Archives and Records Service)

Description of contents

(1) Box no. 2869

(2) Folder title/number: (5)
Nippon Soda K.K. - Takaoka Plant

(3) Date: Jan. 1947 - Sept. 1949

(4) Subject:

Classification	Type of record
9230, 9621	c

(5) Item description and comment:

Takaoka, Toyama-ken

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

(Compiled by *National Diet Library*)

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

COMPLETE INVENTORY LIST OF ALL REPARATION MACHINES AND EX MACHINES ALSO LAND AND BUILDINGS DESIGNATED FOR REPARATIONS AT THE FOLLOWING PLANT

Name of Plant	Location	Code No.	Remarks
TAKAOKA PLANT, NIPPON SODA K.K.	420, MUKAINO-MACHI, TAKAOKA-SHI	42-14	SULPHURIC ACID
		42-10	CAUSTIC SODA

1

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

Sept. 24 , 1949

To : Toyama Civil Affairs Team

From : Takaoka Plant, Nippon Soda Co., Ltd.

Subject : Report on Reparation Plant
(Caustic Soda)

In compliance with the direction of the Chief of Economic Dept. of Toyama Ken, we hereby report on our reparation plant as attached.

I certify this report is true and correct.

Signed Takanori Toda
Superintendent,
Takaoka Plant,
Nippon Soda Co., Ltd.

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

List of Inventoried Machineries

Code No.	Name of Machine	No.	Remarks U	Remarks DU
IA1- 1 - 56	Electrolysis cell	56	56	0
" 57-97	"	41	0	41
IA2- 1 - 2	Evaporator	2	1	1
IA3- 1 - 6	Settling tank	6	6	0
" 7 - 10	Filter press	4	2	2
" 11	Bucket elevator	1	1	0
" 12	Cooling tank	1	0	1
" 13	Circulating tank	1	1	0
" 14	Centrifugal separator	1	0	1
" 15	Ammonia condenser	1	0	1
" 16	Ammonia receiver	1	0	1
" 17	Brine cooler	1	0	1
" 18	Brine serge tank	1	0	1
" 19 - 20	Soda ash dissolving tank	2	2	0
" 21	Absorption tower	1	1	0
" 22	Blower	1	1	0
" 23 - 24	Porcelain tank	2	2	0
" 25 - 29	Caustic soda solution tank	5	3	2
" 30	Storage tank for salt solution	1	1	0
" 31	Head tank for salt solution	1	1	0
" 32	Turbo blower	1	0	1
" 33 - 34	"	2	0	2

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

IA3- 35	Trommel	1	1	0
" 36	Stirring washer	1	0	1
" 37 - 38	Blower	2	2	0
" 39	Storage tank for 50°Bé	1	1	0
" 40 - 41	Concentrating pan	2	2	0
IIA2 - 1 - 5	5 HP Motor	5	4	1
" 6 - 10	7.5 HP "	5	5	0
" 11	5 HP "	1	1	0
" 12 - 13	" "	2	0	2
" 14	" "	1	1	0
"2 15 - 17	" "	3	3	0
" 18	30 HP "	1	1	0
" 19	40 HP "	1	1	0
" 20 - 21	15 HP "	2	1	1
IIA5- 1 - 2	Converter	2	1	1
" 3	"	1	0	1
IIB1- 1	Transformer for converter	1	1	0
" 2 - 3	"	2	0	2
" 4 - 6	Transformer	3	3	0
IIB2- 1 - 3	Switch	3	1	2
" 4 - 9	"	6	2	4
" 10 - 11	"	22	2	0
" 12	"	1	1	0
IIIB1- 1	Ammonia compressor	1	0	1
" 2	Air compressor	1	1	0

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

IIIB1-	3 - 5	Ammonia compressor	3	2	1
"	- 6	Booster	1	1	0
"	7 - 8	"	2	0	2
"	9	Air compresser	1	1	0
"	10	Vaccuum pump	1	1	0
IIIB2-	1 - 3	Pump	3	3	0
"	4	"	1	0	1
"	5 - 6	"	2	0	2
"	7	"	1	1	0
"	8	"	1	0	1
"	9 - 12	"	4	2	2
"	13 - 16	"	4	4	0
"	17 - 20	"	4	4	0
"	21 - 22	"	2	2	0
"	23 - 24	"	2	0	2
"	25 - 26	"	2	0	2
"	27	"	1	1	0
"	28 - 29	"	2	2	0
"	30	"	1	0	1
"	31	"	1	1	0
"	32	"	1	0	1
"	33	"	1	0	1
"	34 - 37	"	4	1	3
"	38 - 39	"	2	1	1
"	40	"	1	1	0
"	41 - 43	"	3	1	2
		Total	235	142	93

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

Land and Buildings for Reparation

1. Land 16,286 m^2
2. Buildings 15 Buildings

List of EX Machineries

Name of Machinery	No.
Electric heater	1
Winch	1
Porcelain fan (with 5HP motor)	1
Turbin pump (")	2
Centrifugal pump (")	1
Settling tank	2

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

Sept. 24 , 1949

To : Toyama Civil Affairs Team

From : Takaoka Plant, Nippon Soda Co., Ltd.

Subject : Report on Reparation Plant
(Sulfuric Acid)

In compliance with the direction of the Chief of Economic Dept. of Toyama Ken, we hereby report on our reparation plant as attached.

I certify this report is true and correct.

Signed Takenori Toda
Superintendent,
Takaoka Plant,
Nippon Soda Co., Ltd.

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

List of Inventoried Machineries

Code No.	Name of Machine	No.	Remarks U	Remarks DU
IA1- 1	Roaster	1	1	0
IA2- 1 - 3	Cottrel dust catcher	3	3	0
" 4	Gas drying tower	1	1	0
" 5	Gas filter	1	1	0
IA4- 1 - 2	Blower	2	1	1
" 3	"	1	0	1
IA5- 1	Crusher	1	0	1
" 2 - 4	Electric rectifier	3	3	0
" 5 - 8	Acid cooling tank	4	2	2
" 9 - 11	Acid circulating tank	3	2	1
" 12	"	1	1	0
" 13	Acid cooler	1	0	1
" 14	Air cooler	1	1	0
" 15- 17	Absorption tank	3	3	0
" 18	Preheater	1	0	1
" 19	Exhauste fan	1	0	1
" 20 - 22	Acid circulating tank	3	3	0
" 23 - 27	Acid cooler	5	5	0
" 28	Dilution tank	1	0	1
" 29 - 33	Receiver	5	5	0
" 34	Pump	1	1	0
" 35	"	1	1	0
" 36 - 37	"	2	1	1
" 38 - 44	"	7	4	3
	Total	53	39	14

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

Land and Buildings for Reparation

1.	Land	2,351 m^2
2.	Buildings	2 Buildings

List of EX Machineries

Name of Machinery	No.
Roll crusher	1
Skip hoist	1
2" ø Pump (with motor)	2
1½" ø Pump (")	1
Transformer	1
Electric preheater	1
Measuring tank	1
Gas drying tower	1
Acid cooling tank	1
Acid cooler	1
Acid circulating tank	1
Turbin pump	1
Motor	1

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

INVENTORY FORM FOR CAUSTIC SODA PLANTS

Date 5 April, 1947

Name of Company Nippon Soda Co., Ltd. Related SCAPIN No. 1129

Name of Plant Takaoka Plant Code No. 42-10

Address of Plant No. 420, Mukaino-machi, Takaoka City, Toyama Prefecture.

		Number Marked
I. Chemical Manufacturing		157
A. Equipment	157	
1. Electrolytic cells	98	
2. Evaporators for caustic	2	
3. All other equipment used for manufacturing caustic soda (except that listed below)	57	
II. Electrical Machinery and Apparatus		39
A. Electrical Rotating Equipment	22	
1. Generators	0	
2. Motors	19	
3. Motor generators	0	
4. Frequency changers	0	
5. Converter and inverters	3	
6. Generator sets (direct coupled to rime mover)	0	
B. Primary Electric Power Transmission and Distribution	17	
1. Transformers	6	
2. Switches	11	

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

INVENTORY FORM FOR CAUSTIC SODA PLANTS

Date 5 April, 1947

Name of Company Nippon Soda Co., Ltd. Related SCAPIN No. 1129

Name of Plant Takaoka Plant Code No. 42-10

Address of Plant No. 420, Mukaino-machi, Takaoka City, Toyama Prefecture.

		Number Marked
III. General purpose Industrial Machinery and Equipment		55
A. Engines, Turbines and Boilers		0
1. Steam engines	0	
2. Steam turbines	0	
3. Boilers, Power	0	
4. Insternal combustion engines	0	
B. Compressors and Pumps		55
1. Compressors and dry vacuum	10	
2. Pumps	45	

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

15 1
39
755
2 5 1

Details of the Inventoried Machineries

of Caustic Soda Plant

Takaoka Plant of Nippon Soda Co., Ltd.

No.420, Fukaino-machi, Takaoka City,

Toyama Prefecture

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

Item	Number			
	A	B	C	Total
I. Chemical Manufacturing				(157)
A. Equipment				(157)
1. Electrolytic cells				98
1) Electrolytic cell		1		
2) "		1		
3) "			1	
4) "			1	
5) "			1	
6) "			1	
7) "			1	
8) "			1	
9) "			1	
10) "			1	
11) "			1	
12) "			1	
13) "			1	
14) "			1	
15) "			1	
16) "			1	

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

Item	Number				
	A	B	C	Total	
17) Electrolytic cell			1		
18) "		1			
19) "			1		
20) "			1		
21) "			1		
22) "			1		
23) "			1		
24) "			1		
25) "			1		
26) "			1		
27) "			1		
28) "			1		
29) "			1		
30) "			1		
31) "			1		
33) "			1		
34) "			1		
35) "			1		

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

Item	Number			
	A	B	C	Total
36) Electrolytic cell		1		
37) "		1		
38) "		1		
39) "		1		
40) "		1		
41) "		1		
42) "		1		
43) "		1		
44) "			1	
45) "		1		
46) "		1		
47) "		1		
48) "		1		
49) "		1		
50) "		1		
51) "			1	
52) "		1		
53) "			1	
54) "		1		

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

Item	Number				
	A	B	C	Total	
55) Electrolytic cell		1			
56) "		1			
57) "		1			
58) "		1			
59) "		1			
60) "		1			
61) "		1			
62) "			1		
63) "		1			
64) "		1			
65) "		1			
66) "		1			
67) "		1			
68) "		1			
69) "		1			
70) "		1			
72) "		1			
72) "		1			

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

	Item	Number				
		A	B	C	Total	
	73) Electrolytic cell		1			
	74) "		1			
	75) "		1			
	76) "		1			
	77) "		1			
	78) "		1			
	79) "		1			
	80) "		1			
	81) "		1			
	82) "		1			
	83) "		1			
	84) "		1			
	85) "			1		
	86) "		1			
	87) "		1			
	88) "			1		
	89) "			1		
	90) "		1			
	91) "		1			
	92) "		1			

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

Item	Number				
	A	B	C	Total	
93) Electrolytic cell			1		
94) "			1		
95) "			1		
96) "		1			
97) "		1			
98) "		1			

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

Item	Number				
	A	B	C	Total	
2. Evaporators for caustic soda				2	
1) Evaporator		1			With condenser
2) "		1			
3. All other equipment used for manufacturing caustic soda				57	
1) Settling tank			1		
2) "			1		
3) "			1		
4) "			1		
5) "			1		
6) "			1		
7) "			1		
8) "			1		
9) "			1		
10) "			1		
11) "			1		
12) "			1		
13) "			1		
14) "			1		

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

Item	Number				
	A	B	C	Total	
15) Filter press			1		
16) "		1			
17) "		1			
18) "			1		
19) "		1			
20) "			1		
21) Dissolving tank			1		
22) "			1		
23) Bucket elevator		1			
24) Cooling tank			1		
25) "			1		
26) "		1			
27) Circulating tank		1			
28) Centrifugal separator		1			With 5 HP motor
29) Ammonia condenser	1				
30) Ammonia receiver	1				
31) Brine cooler		1			With accumulator
32) Brine serge tank			1		
33) Soda ash dissolving tank	1				

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

Item	Number				
	A	B	C	Total	
34) Soda ash dissolving tank	1				
35) Absorption tower	1				
36) Blower		1			
37) "			1		
38) Porcelain tank	1				
39) "	1				
40) Head tank for water			1		
41) Caustic soda solution tank		1			
42) "		1			
43) "		1			
44) "		1			
45) "		1			
46) Storage tank for salt solution			1		
47) Turbo blower	1				
48) "	1				With 15HP motor
49) "	1				"
50) Trommel		1			
51) Stirring washer			1		

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

Item	Number			
	A	B	C	Total
52) Stirring washer			1	
53) Blower		1		
54) "		1		
55) Strage tank for 50°Be		1		
56) Consentrating pan	1			
57) "	1			
II. Electrical Machinery and Apparatus				((39))
A. Electrical rotating equipment				(22)
1) Generators				0
2) Motors				19
1) 5HP motor	1			
2) 7.5HP motor	1			
3) 5HP motor	1			
4) "	1			
5) "	1			
6) "	1			
7) 7.5HP motor	1			
8) "	1			
9) "	1			

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

Item	Number				
	A	B	C	Total	
10) 7.5HP motor	1				
11) 5HP"motor	1				for bleaching p
12) "	1				"
13) "	1				"
14) 5HP motor	1				for liquid chlo
15) "	1				"
16) "	1				"
17) "	1				"
18) 30HP motor	1				"
19) 40HP motor	1				"
3. Motor Generators				0	
4. Frequency changers				0	
5. Converters and inverters				3	
1) Converter	1				with induction including switc
2) "		1			
3) "	1				
6. Generator set(direct coupled to rime mover)				0	
B. Primary Electric Power Transmission and Distribution				(17)	

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

(e)

	Number				
	A	B	C	Total	
	1				
	1				for bleaching powder
	1				" ,coupled directly with fan
	1				" ,coupled directly with exhauster
	1				for liquid chlorine
	1				" ,coupled with nash pump
	1				" ,coupled with blower
	1				" , "
	1				" ,coupled with nash pump
	1				" , "
				0	
				0	
rs				3	
	1				with induction voltage regulator including switch board
		1			
	1				
oupled				0	
				(17)	
ution					

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

Item	Number				
	A	B	C	Total	
1. Transformers				6	
1) Transformer for converter		1			
2) " "	1				
3) " "	1				
4) "	1				These are also
5) "	1				The utility per
6) "	1				caustic soda wa
2. Switches				11	
1) Switch board	1				for transformer
2) "	1				"
3) "	1				"
4) "	1				for converter
5) "	1				"
6) "	1				"
7) "	1				"
8) "	1				"
9) "	1				"
10) "	1				
11) "	1				for transforme

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

	Number				
	A	B	C	Total	
				6	
r converter		1			
"	1				
"	1				
	1				These are also, used for another plants. The utility percent for manufacturing caustic soda was 51.8%.
	1				
	1				
				11	
	1				for transformer (HB 1-1)
	1				" (HB 1-2)
	1				" (HB 1-3)
	1				for converter (HA 5-1)
	1				" (HA 5-2)
	1				" (HA 5-3)
	1				" (HA 5-1)
	1				" (HA 5-2)
	1				" (HA 5-3)
	1				
	1				for transformer (HB1-4,5,6)

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

Item	Number				
	A	B	C	Total	
III. General Purpose Industrial Machinery and Equipment				((55))	
A. Engines, Turbines and Boilers				(0)	
1. Steam engines				0	
2. Steam turbines				0	
3. Boilers power				0	
4. Internal combustion engine				0	
B. Compressors and Pumps				(55)	
1. Compressors and dry vacuum				10	
1) Ammonia compressor		1			with 75HP motor
2) Air compressor		1			for hydrochloric a
3) Ammonia compressor	1				for liquid chlorin
4) "	1				"
5) "	1				"
6) Booster		1			"
7) "	1				"
8) "	1				"
9) Air compressor		1			"
10) Vacuum pump		1			

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

(g)

	Number				
	A	B	C	Total	
al				((55))	
Boilers				(0)	
				0	
				0	
				0	
ngine				0	
				(55)	
acuum				10	
		1			with 75HP motor
		1			for hydrochloric acid
	1				for liquid chlorine, with 25HP motor
	1				" ,with 50HP motor
	1				" ,with 15HP motor
		1			" ,with 25 HP motor
	1				" ,with 40 HP motor
	1				" ,with 15 HP motor
		1			" ,with 5 HP motor
		1			

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

Item	Number				
	A	B	C	Total	
2. Pumps				45	
1) Pump			1		with 15 HP motor
2) "		1			with 5HP motor
3) "		1			"
4) "		1			"
5) "		1			
6) "		1			with 20HP motor
7) "		1			"
8) "		1			
9) "		1			with 20HP motor
10) "		1			
11) "		1			
12) "		1			
13) "		1			
14) Diaphram Pump		1			
15) "		1			
16) "		1			
17) "		1			
18) Pump			1		

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

Øh)

Item	Number				
	A	B	C	Total	
Pumps				45	
1) Pump			1		with 15 HP motor
2) "		1			with 5HP motor
3) "		1			"
4) "		1			"
5) "		1			
6) "		1			with 20HP motor
7) "		1			"
8) "		1			
9) "		1			with 20HP motor
10) "		1			
11) "		1			
12) "		1			
13) "		1			
14) Diaphram Pump		1			
15) "		1			
16) "		1			
17) "		1			
18) Pump			1		

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

Item	Number				
	A	B	C	Total	
19) Pump		1			
20) "		1			
21) "			1		
22) "			1		
23) "			1		with 7.5 HP
24) "			1		"
25) "		1			
26) "		1			
27) "		1			with 15HP motor
28) "		1			"
29) "		1			
30) "		1			with 20HP motor
31) "		1			"
32) "		1			
33) "		1			for hydrochloric
34) "		1			for bleaching pow
35) "		1			" "
36) "		1			for liquid chlori
37) "		1			"
38) "		1			"

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

	Number				
	A	B	C	Total	
		1			
		1			
			1		
			1		
			1		with 7.5 HP
			1		"
		1			
		1			
		1			with 15HP motor
		1			"
		1			
		1			with 20HP motor
		1			"
		1			
		1			for hydrochloric acid
		1			for bleaching powder, with 10HP motor
		1			" " , with 20HP motor
		1			for liquid chlorine
		1			"
		1			"

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

Item	Number				
	A	B	C	Total	
39) Pump		1			for liqui
40) "		1			"
41) "		1			"
42) "		1			"
43) "			1		"
44) "			1		"
45) "			1		"
Total	54	119	78	251	

Note 1 : Machineries not inventoried hereon because of the followin

1. Electrolytic cells 48

   These are damaged

2. Settling tank 1

   This is corroded.

3. Heating tank for water 2

   These are so corroded that they are not used now.

4. Distillatory pot for mercury 1

   This is made of cast iron and damaged.

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

Number				
A	B	C	Total	
	1			for liquid chlorine
	1			" ,with 5HP motor
	1			" ,with 7.5HP motor
	1			"
		1		" ,with 5HP motor
		1		" , "
		1		" , "
54	119	78	251	

not inventoried hereon because of the following reasons

cells 48

damaged

k 1

rroded.

for water 2

so corroded that they are not used now.

pot for mercury 1

de of cast iron and damaged.

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

5. Heating furnace for eveporating 2

These are made of brick.

6. Chimney 1

This is so corroded that it is collapsed now.

7. Head tank for salt solution 1

This was made after the end of the war.

8. Blower 1

This is corroded.

Note 2 : The following machineries were not equipped in this unit at the end and so they are not included in the designated machineries. They ha installed temporaily for the following use.

1. Heating electrode 1

This is used for heating soda ash solution which was heated by steam f

2. Pump 1

This is used temporarily for pumping up water from the pit.

Note 3 : The total number of machineries for caustic soda plant, the list of submitted formerly, is 611 without including the chlorine recovery

Machineries inventoried hereon	221
Machineries stated in " Note 1 "	58
Motors coupled directly	17
Motors less than 5 HP	15
Machineries shown in remarks	4
Machineries not necessary to inventory	4
Decompossision uessels and mercury pumps	292
Total	611

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

ce for eveporating 2

de of brick.

orroded that it is collapsed now.

salt solution 1

e after the end of the war.

oded.

g machineries were not equipped in this unit at the end of the war

are not included in the designated machineries. They have been

porarily for the following use.

trode 1

d for heating soda ash solution which was heated by steam formerly.

d temporarily for pumping up water from the pit.

mber of machineries for caustic soda plant, the list of which was

rmerly, is 611 without including the chlorine recovery equipments.

neries inventoried hereon	221
neries stated in " Note 1 "	58
coupled directly	17
less than 5 HP	15
neries shown in remarks	4
neries not necessary to inventory	4
ossision uessels and mercury pumps	292
l	611

The opinion of the surveyor.

1. Is (not) operating. No.
2. The name of production. Nil.
3. Is (not) a conversion plant. No.
4. Is (not) producing for occupation forces, if so descript the permittion numbers. No
5. Any offection of plants to removal of survey item. very
6. Further the reference description are kept on the remarks column.
7. Installed materials and supplies is (not) take away only but after to removal of separation materials yes

Ryosuke Maruyama

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

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

Takaoka Plant,
Nippon Soda Co., Ltd.

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

January 25, 1947, Takaoka

To: The Supreme Commander for Allied Powers

Thru: The Toyama Military Government Team

Subject: Opinion for Research of Reparation Plants Materials.

We have received the instruction from the 8th Army that our causticsoda plant is authorized to continue operation until further notice. And in compliance with this instruction we are now continuing it operation. Through this operation we are contributing to the maintenance of public health and welfare by manufacturing sulfonamide series medicines and saccharine, substitute of suger, which are in urgent demand of people under present Japan.

I submit to you this opinion and hope your generous consideration lest the plant should become unbalanced on its capacity and impossible to continue its operation by removal of anyone of these materials. I present the following reasons for this opinion.

(1) Materials in " Installed Materials and Supplies ":

These all materials are corresponding to the capacity of the plant, and unbalance of the capacity is followed

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

with removal of only any part of them

(2) Materials marked ○ in "Installed Materials and Supplies". These materials are indispensable to continue our operation of the plant at present.

(3) Transformer Single phase, 200 KvA, 60 C,

7,700V-220V-100V 3

These transformers have been used not only for caustic soda plant but also for other plants. Namely they have been used as electric power source for sulphuric acid plant, medicine plant, auxiliary plants etc., and as electric lamp source for all plants. The utility percentage is as follows.

a. In war time

51.8 % for caustic soda plant

48.2 % for other plants

b. At present

50.0 % for caustic soda plant

50.0 % for other plants

Therefor we wish earnestly your consideration lest the plant should be stopped all operation by removal of the electric source.

Signed Katsumi Oga

Title Superintendent

INSTALLED MATERIALS AND SUPPLIES 施設濟ノ資材

ITEM DESCRIPTION 品目名稱	UNIT 單位	QUANTITY 數量	TOTAL ESTIMATED WEIGHT 見積總重量	NUMBER OF CARLOADS 積込貨車數	REMARKS 摘要
Balve 1/2" Gun-metal.150 pound Attached					
screw globe. ----------	Piece	2	Pound 0. 8	Poor	Installed Material
3/4" "	"	3	1. 5	"	"
1" "	"	22	13. 2	"	"
2" "	"	15	15. 0	"	"
3" Steel-made,150 Pound					
Attached flange,throoth-Valve	"	10	20. 0	"	"
4" "	"	11	39. 0	"	"
High Pressure Valve.					
3/8" iron-made 300 Pound					
Attached flange globe.	"	5	3. 0	Poor	"
1/2" "	"	1	0. 8	"	"
3/4" "	"	1	1. 0	"	"
1" "	"	2	2. 4	"	"
1 1/2" "	"	2	4. 3	"	"
2" "	"	9	18. 0	"	"
2 1/2 "	"	1	3. 0	"	"
3" "	"	5	20.0	"	"
4" "	"	3	21. 0	"	"
Iron-made 150 Pound Attached					
flange throoth-form,Valve,					

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 785 013

Flange Tube.	"	5	3. 0	Poor	"
1/2"	"	" 1	0. 8	"	"
3/4"	"	" 1	1. 0	"	"
1"	"	" 2	2. 4	"	"
1 1/2"	"	" 2	4. 3	"	"
2"	"	" 9	18. 0	"	"
2 1/2	"	" 1	3. 0	"	"
3"	"	" 5	20.0	"	"
4"	"	" 3	21. 0	"	"
Iron-made 150 Pound Attached flange throoth-form, Valve,					
3/8"	"	" 6	4. 0	Good	"
3/4"	"	" 1	1. 0	"	"
2"	"	" 8	16. 0	"	"
3"	"	" 2	8. 0	"	"
4"	"	" 7	49. 0	"	"
Total		116	241. 0 (109.3176kg)		

			pound		
Valve 3/4"	Piece	19	10.0	Poor	Installed Material
" 1"	"	6	4.0	"	"
" 1 1/2"	"	2	2.0	"	"
" 2"	"	26	26.0	"	"
" 3"	"	14	28.0	"	"
" 4"	"	4	15.0	"	"
Total	"	~~187~~ 71	~~326.0~~ 85.0 kg 38.556		
A sort of valve Sum-Total	"	187	326.0 Pound 147.8736, kg		

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

3" "	"	2	8. 0	"	"
4" "	"	7	49. 0	"	"
Total		116	241. 0 (109.3176kg)		

			pound		
Valve 3/4"	Piece	19	10.0	Poor	Installed Material
" 1"	"	6	4.0	"	"
" $1^1/2$"	"	2	2.0	"	"
" 2"	"	26	26.0	"	"
" 3"	"	14	28.0	"	"
" 4"	"	4	15.0	"	"
Total	"	~~187~~ 71	~~320.0~~ 85.0 kg 38.556		
A sort of valve Sum-Total	"	187	326.0 Pound 147.8736,kg		

A sort of pipe.

Pipe----Black 150 Pound attached flange					
			Pound		
$2^1/2$"	Feet	48	200.00	"	"
4"	"	78	624.00	"	"
3"	"	195	1170.00	"	"
Steel-pipe to extract steel-pipe			TOMU		
300 Pound attached flange			1/3		
3/8" "	"	97	49.00	"	"
$1^1/4$" "	"	13	27.00	"	"
2" "	"	162	810.00	"	"
3" "	"	32	256.00	"	"
4" "	"	97	970.00	"	"
Pipe, Black 150 Pound attached flange					

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

Total	"	~~187~~ 71	85.0	38.556		
A sort of valve Sum-Total	"	187	326.0 Pound 147.8736,kg			

A sort of pipe.

Pipe----Black 150 Pound attached flange

			Pound			
$2^1/2$"	Feet	48	200.00		"	"
4"	"	78	624.00		"	"
3"	"	195	1170.00		"	"
Steel-pipe to extract steel-pipe				TOMU		
300 Pound attached flange				1/3		
3/8" "	"	97	49.00		"	"
$1^1/4$" "	"	13	27.00		"	"
2" "	"	162	810.00		"	"
3" "	"	32	256.00		"	"
4" "	"	97	970.00		"	"
Pipe, Black 150 Pound attached flange						
3/8" "	"	32	16.00		Good	"
1" "	"	32	45.00		"	"

2" "	Feet	178	580. 00		Good	Installed Material
3" "	"	178	960. 00		"	"
4" "	"	227	1820.00		"	"
6" "	"	84	1090. 00		"	"
16" "	"	58	1150. 00		"	"

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

Pipe, Black 150 Pound attached flange							
3/8"	"	"	32	16.00		Good	"
1"	"	"	32	45.00		"	"
2"	"	Feet	178	580. 00		Good	Installed Material
3"	"	"	178	960. 00		"	"
4"	"	"	227	1820.00		"	"
6"	"	"	84	1090. 00		"	"
16"	"	"	58	1150. 00		"	"
	Total	"	1511	Pound 9767. 00---4430.3012 kg			
Pipe Black, attached screw.		Feet		Pound			Installed Material
1"	"	"	455	680. 00		Poor	"
1 1/2"	"	"	845	2535. 00	TOMU	"	"
2"	"	"	1920	5760. 00	1/2	"	"
2"	"	"	1910	5730.00		"	"
3"	"	"	65	325. 00		"	"
	Total		5195 foot	15030. 00	6808.608 kg		
A terra-cotta pipe (exist gloss)							
4" x 2'	"	Hon	110	7700. 00		A slight good	"
4" x 2'	"	"	90	6300. 00	TOMU 1.	"	
Porcelain-made pipe(exist gloss) 4" x 39"	"	"	50	4000. 00		"	"
A sort of pump	Total		250	Pound 18000.00	kg 816.480		

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

1"	"	"	455	680. 00		Poor	"	
1 1/2"	"	"	845	2535. 00	TOMU	"	"	
2"	"	"	1920	5760. 00	1/2	"	"	
2"	"	"	1910	5730.00		"	"	
3"	"	"	65	325. 00		"	"	
	Total		5195 foot	15030. 00	6808.608 kg			

A terra-cotta pipe (exist gloss)

4" x 2'	"	Hon	110	7700. 00		A slight good	"	
4" x 2'	"	"	90	6300. 00	TOMU 1.	"		
Porcelain-made pipe(exist gloss) 4" x 39"	"	"	50	4000. 00		"	"	
A sort of pump	Total		250	Pound 18000.00	kg 816.480			

Pump.Blower Discharge-wind-machine							Inventory List	
Diaframe-Pump	$5^3/4$" x 12"	Stand	2	Pound 2000. 00		Poor	Installed material "	NO. 22
"	$5^1/4$" x 12"	"	2	2000. 00		"	"	NO. 23
Turbine-Pump	3" ø 15^m 0.45^{m3}/min	"	2	1200. 00	Note	"	"	NO. 24
"	4' ø 15^m 0.9^{m3}/min	"	4	2400. 00	be full of	"	"	NO.6. 24. 18.
Whirl-Pump	3" ø 10^m 0.5^{m3}/min	Stand	1	600. 00	capacity	Poor	"	NO.33
"	2" ø 10^m 0.2^{m3}/min	"	3	1800. 00	4-5 care	"	"	NO.5. 25.
Blower	2" ø 50^{cf}/min	"	1	600. 00		"	"	NO.13.
"	4" ø 15^{m3}/min(magneetism)	"	1	600. 00		"	"	NO.15.
Turb-Blower	200^m/m ø 35^{m3}/min	"	3	1800. 00		Good	"	NO.54.
Magenetism Blower	6" ø 25 ^{m3}/min	"	2	1200. 00		Poor	"	NO. 55.
			21	14200. 00				

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

"	$5^1/4$" x 12"	"	2	2000. 00		"	"	NO. 23
Turbine-Pump	3" ø 15^m 0.45^{m3}/min	"	2	1200. 00	Note	"	"	NO. 24
"	4' ø 15^m 0.9^{m3}/min	"	4	2400. 00	be full of	"	"	NO.6. 24. 18.
Whirl-Pump	3" ø 10^m 0.5^{m3}/min	Stand	1	600. 00	capacity	Poor	"	NO.33
"	2" ø 10^m 0.2^{m3}/min	"	3	1800. 00	4-5 care	"	"	NO.5. 25.
Blower	2" ø 50^{cf}/min	"	1	600. 00		"	"	NO.13.
"	4" ø 15^{m3}/min(magneetism)	"	1	600. 00		"	"	NO.15.
Turb-Blower	200^m/m ø 35^{m3}/min	"	3	1800. 00		Good	"	NO.54.
Magenetism Blower	6" ø 25 ^{m3}/min	"	2	1200. 00		Poor	"	NO. 55.
Total			21	14200. 00 (6441. 12kg)				
Blower	400^m/m ø 100^{m3}/min	"	1	200. 00		Good	"	NO.69.
Etanito Pipe	3"	Piece	292	Pound 584. 00	----------	Poor	Installed material	
"	4"	"	32	96. 00	TOMU	"	"	
"	6"	"	39	156. 00	1 CAR	"	"	
			363	Total 836. 00	379.11kg			
Gum Hose (an accessory)	1"	"	32	Unexplain		"	"	
Magnetism-made Pump	3" ø 15^m 0.5^{m3}/m	Stand	5	Pound 3000. 00	----------	Good	Inside one stand unuse List NO. 56.	
Lime-Pump	4" ø 10^m1 ^{m3}/min	"	3	1800. 00	TOMU	"	"	NO. 57.
Small-sized, Vacuum-Pump	1/4" ø	"	1	100. 00	2 CAR	"	"	NO. 61.
Whirl-Pump.	3" ø 15^m 0.5^{m3}/min	"	2	800. 00		"	"	NO. 49.
"	2" ø 10^m 0.2^{m3}/min	"	4	1600. 00		Poor	"	NO. 50.44.
Total		"	15	7300. 00	3311.28 kg			

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

Etanito Pipe 3"	Piece	292	584. 00	----------	Poor	Installed material
" 4"	"	32	96. 00	TOMU	"	"
" 6"	"	39	156. 00	1 CAR	"	"
		363	Total 836. 00	379.11kg		
Gum Hose (an accessory) 1"	"	32	Unexplain		"	"
Magnetism-made Pump 3" ø 15^m 0.5^{m3}/m	Stand	5	Pound 3000. 00	----------	Good	Inside one stand unuse List NO. 56.
Lime-Pump 4" ø 10^m1 ^{m3}/min	"	3	1800. 00	TOMU	"	" NO. 57.
Small-sized, Vacuum-Pump 1/4" ø	"	1	100. 00	2 CAR	"	" NO. 61.
Whirl-Pump. 3" ø 15^m 0.5^{m3}/min	"	2	800. 00		"	" NO. 49.
" 2" ø 10^m 0.2^{m3}/min	"	4	1600. 00		Poor	" NO. 50.44.
Total	"	15	7300. 00	3311.28 kg		
Cock 1" cast-iron, attached screw	Piece	7	70. 00		Good	
2" "	"	1	10. 00		"	
Union 150 Pound attached screw, cast-iron	"	1	6. 00		"	
Black-lead Electrodes.	Kg		~~3800Kg~~ 1000Kg	TOMU ~~1~~ 1 CAR	"	
"			1800Kg			

End ;

A Edge-form Open and close-switch, one edge,

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

Union 150 Pound attached screw, cast-iron	"	1	6. 00		"	
Black-lead Electrodes.	Kg		~~3000Kg~~ 1000 Kg 1800 Kg	TOMU ~~L~~ 1 CAR	"	
"						

End ;

A Edge-form Open and close-switch, one edge, (Emancipate-form, attached-fuse) (one edge)						
For three Poles use, 220V 300A	Piece	2			Poor	
" " 100A (attached cover)	"	3			"	
For second Poles use, 220V 300A	"	2			Good	
" " 100A	"	1			"	
" " 75A	"	3			Poor	
" " 50A	"	3			Good	
" " 30A	"	6	Pound TOTAL 100.00		Poor	
For three Poles use, 220V 200A	"	1			"	
(Oil Switch) " " 60A	"	5	TOTAL 170.00		Poor 3 Good 2	
Counting-Wattmeter 200V 5A	"	2		WAMU	Good	
" 110V 100A	"	1	TOTAL 30.00	2 CAR	"	
A. C. ~~Wattmeter~~ Am meter (general) 750A	"	2			Poor	
" 350A	"	1			Good	
" 70A	"	1			"	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 715 013

"	" 100A (attached cover)	"	3			"
For second Poles use, 220V	300A	"	2			Good
"	" 100A	"	1			"
"	" 75A	"	3			Poor
"	" 50A	"	3			Good
"	" 30A	"	6	Pound TOTAL 100.00		Poor
For three Poles use, 220V	200A	"	1			"
(Oil Switch) "	" 60A	"	5	TOTAL 170.00		Poor 3 Good 2
Counting-Wattmeter 200V	5A	"	2		WAMU	Good
" 110V	100A	"	1	TOTAL 30.00	2 CAR	"
A. C. ~~Watt~~Am meter (general)	750A	"	2			Poor
"	350A	"	1			Good
"	70A	"	1			"
"	50A	"	4			"
"	30A	"	3			"
"	15A	"	2			"
"	10A	"	1			"
"	5A	"	1	TOTAL 33.00		"
Electlic Current transformer,	500A/5A	"	2			"
(general exposure-form)	300A/5A	"	3	Pound TOTAL 100.00		"

Kind of insulator(low presure)

" middle knop Piece 30 Note:It will be half

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 743 013

"	350A	"	1		Good
"	70A	"	1		"
"	50A	"	4		"
"	30A	"	3		"
"	15A	"	2		"
"	10A	"	1		"
"	5A	"	1	TOTAL 33.00	"
Electlic Current transformer,	500A/5A	"	2		"
(general exposure-form)	300A/5A	"	3	Pound TOTAL 100.00	"

Kind of insulator(low presure)					
" middle knop		Piece	30		Note:It will be half of damage,on the occasion to taking out.
" small "		"	300	Sum total 713 Pound 323.42 kg	
low pressure pin Biginsulator		"	30		
" insulator		"	15		
" " (st~~a~~tp Bot) ra		"	12	Pound TOTAL 280.00	
Kind of pipe (Steel-made)	thick 1/8" diameter 1" long 6 feet	Hon	2		Good
"	thick1/16"xdiameter 3/4"xlong 10feet	"	1	Pound TOTAL 24.00	"
Kind of tube,(low-pressure)(attached Sword-guard)					
" diameter 1 1/2"xlong 1 1/2"		Piece	5		" Note:It will be half of damage on occasion to

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

323.42 kg

low pressure pin Biginsulator	"	30				
" insulator	"	15				
" " (st~~a~~rtp Bot) ra	"	12		Pound TOTAL 280.00		
Kind of pipe (Steel-made) thick 1/8" diameter 1" long 6 feet	Hon	2			Good	
" thickl/16"xdiameter 3/4"xlong 10feet	"	1		Pound TOTAL 24.00	"	
Kind of tube,(low-pressure)(attached Sword-guard)						
" diameter 1 1/2"xlong 1 1/2"	Piece	5			"	Note:It will be half of damage on occasion to taking out.
" " 1"x"1 1/4"	"	10			"	
" " 3/4"x " 1"	"	40			"	
" " 3/8x " 1"	"	90			"	
" " 1"x " 8" (nothing sword guard)	"	6			"	
" " 3/8"x " 6" "	"	30		Pound TOTAL 12.00	"	
Kind of the electlic utensils;			WAMU			
Tambour-switch 110Vx10A	"	6	1 CAR		3 Good 3 Poor	
Receptakle 110Vx5A	"	9			4 Good 5 Poor	
Key-Socket "	"	10			5 Good 5 Poor	
Roset "	"	8			6 Good 2 Poor	
Out-door.Bracket.(for electlic bulb) use of	Piece	5			Poor	
In-door, " "	"	2			Good	

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

" " 3/8x " 1"	"	90				"
" " 1"x " 8" (nothing sword guard)	"	6				"
" " 3/8"x " 6" "	"	30		Pound TOTAL 12.00		"

Kind of the electlic utensils;					WAMU	
Tambour-switch 110Vx10A	"	6			1 CAR	3 Good 3 Poor
Receptakle 110Vx5A	"	9				4 Good 5 Poor
Key-Socket "	"	10				5 Good 5 Poor
Roset "	"	8				6 Good 2 Poor
Out-door.Bracket.(for electlic bulb use of	Piece	5				Poor
In-door, " "	"	2				Good
Waterproof Socket "	"	2				"
Electlic bulb 100W 220V	"	3				"
" 150W "	"	2				"
A wall-telephon 100W 110V	"	1				"
" "	"	2		Pound TOTAL 50.00		"

Sum Total 1810 Pound

Kind of Electlic Wire.(copper-wire) (twist-wire)						
" 38 m/m^2	feet	300	740. 00	82kg		Good-100feet Poor-200 feet
" 22 "	"	75	90. 00			Good
" 14 "	"	80	80. 00	TOMU 1		" feet
" 8 "	"	450	450. 00			Good 250 Poor 200 feet
" 60 "	"	80	330. 00			Good
" single -wire 32 mm	"	220	120. 00			"

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

Electlic bulb	100W 220V	"	3			"
"	150W "	"	2			"
A wall-telephon	100W 110V	"	1			"
"	"	"	2	Pound TOTAL 50.00		"

Kind of Electlic Wire.(copper-wire)
(twist-wire)

Sum Total 1810 Pound

"	38 m/m^2	feet	300	740. 00	82kg	Good-100feet Poor-200 feet
"	22 "	"	75	90. 00		Good
"	14 "	"	80	80. 00	TOMU 1	" feet
"	8 "	"	450	450. 00		Good 250 Poor 200 feet
"	60 "	"	80	330. 00		Good
"	single -wire 32 mm	"	220	120. 00		"
Single-track,	1.6m/m^2	"	1200	150 Pound		Good 800 feet Note: Salt- Poor 400 feet dissolve-works.
Cord;		"	130	120 "		Good

The first electroysis-Work:

A edge-form open and closs,

(Emancipate-form,attached fuse)
(one edge)

For second-poles use, 220V 50A (attached wall)	Piece	2		Poor
" 220V 100A	"	1		"
(Oil-switch)attached fuse.220V 20A (attached wall)	"	1		"
For three-poles use,220V 100A	"	1		"
For three-poles use, 220V,60A (attached wall)	Piece	3	TOTAL 87 Pound	Poor

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

The first electroysis-Work:

A edge-form open and closs, (Emancipate-form,attached fuse) (one edge)					
For second-poles use, 220V 50A (attached wall)	Piece	2		Poor	
" 220V 100A	"	1		"	
(Oil-switch)attached fuse.220V 20A (attached wall)	"	1		"	
For three-poles use,220V 100A	"	1		"	
For three-poles use, 220V,60A (attached wall)	Piece	3	TOTAL 87 Pound	Poor	
Kind of insulator.(low pressure)					Note:It will be half damage on occasion to the taking out
" middle notpu	"	110			
" small notpu	"	100			
low pressure insulator(attached stratp -bot)	"	9	TOTAL 100 Pound		
Kind of insulator(low-pressure) attached Sword-guard.					The same as the above
diameter 1" x long 1 1/4"	"	20			
" 3/8" x " 1"	"	10			
tube, " 3/8" x " 6"	"	10	TOTAL 2 Pound		
Kind of the electlic utensiles					
in-door braket(for electlic bulb use)	"	5		Poor	
Electlic-bulb 100W	"	2		Good	
" 200W	"	1		"	
Project-utensils 300W 110V			Pound 280.00	"	
copper-wire twist-wire 38m/m^2	feet	100			

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

"	middle notpu	"	110			occasion to the taking out
"	small notpu	"	100			
low pressure insulator(attached stratp -bot)		"	9	TOTAL 100 Pound		
Kind of insulator(low-pressure) attached Sword-guard.						
diameter 1" x long 1 1/4"		"	20			The same as the above
"	3/8" x " 1"	"	10			
tube, "	3/8" x " 6"	"	10	TOTAL 2 Pound		
Kind of the electlic utensiles						
in-door braket(for electlic bulb use)		"	5		Poor	
Electlic-bulb	100W	"	2		Good	
"	~~200W~~	"			"	
Project-utensils	300W 110V	"	1		"	
copper-wire twist-wire 38m/m^2		feet	100	Pound 280.00	"	
"	" 14 "	"	150	140. 00	"	
"	" 8 "	"	50	27. 00	"	
"	Single track 3.2 mm	"	250	120. 00	"	
"	" 2.0 "	"	600	110. 00	"	
"	" 1.6 "	"	70	80. 00 kg TOTAL 757.00 343.275	"	
A edge-form open and close one edge, Emancipate-form, attached fuse. for three-poles use. 220V 300A		Piece	1		Poor	
"	" 50A	"	3	Pound TOTAL 30.00	"	
Oil switch attached fuse one edge three poles 220V 60A		Piece	10		Poor	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

" " 14 "	"	150	140. 00		"	
" " 8 "	"	50	27. 00		"	
" Single track 3.2 mm	"	250	120. 00		"	
" " 2.0 "	"	600	110. 00		"	
" " 1.6 "	"	70	80. 00	kg	"	
			TOTAL 757.00	343.275		
A edge-form open and close one edge, Emancipate-form, attached fuse. for three-poles use. 220V 300A	Piece	1			Poor	
" " 50A	"	3	TOTAL 30.00	Pound	"	
Oil switch attached fuse one edge three poles 220V 60A	Piece	10			Poor	
" " 30A	"	3	TOTAL 260.00	Pound	"	
Kind of insulator(low pressure)						
Big knop	"	15			"	Note: It will be half of damage on occasion to the taking out.
middle "	"	150			"	
small "	"	130			"	
low pressure pin big notpu	"	50			"	
" insulator stratp bot. (attached)	"	10	TOTAL 200.00	Pound	"	
Kind of insulator (low-pressure) attached Sword-guard.						
diameter 2" x long 2 1/2"	"	6			"	The same as the above.
" 1" x " 1 1/4"	"	40			"	
" 3/8" x " 1"	"	10		Pound	"	

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

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 715 013

Kind of insulator(low pressure)

Big knop	"	15		"	Note: It will be half of damage on occasion to the taking out.
middle "	"	150		"	
small "	"	130		"	
low pressure pin big notpu	"	50		"	
" insulator stratp bot. (attached)	"	10	Pound TOTAL 200.00	"	

Kind of insulator (low-pressure)

attached Sword-guard.					
diameter 2" x long 2 1/2"	"	6		"	The same as the above.
" 1" x " 1 1/4"	"	40		"	
" 3/8" x " 1"	"	10		"	
tube " 3/8" x " 6"	"	20	Pound TOTAL 6.00	"	

Roset 220V x 10A	"	3		Good
in-door,bracket(for electlic bulb use)	"	8		Poor
110 x 5A	"			
Key-socket (")	"	3		Good
Kind of the electlic bulb 100W 200V	"	3		"
The pipe a wall-telephone ~~100W 100V~~	"	10	Pound TOTAL 35.00	"
Steel made, diameter 1 1/2"xthick 1/8"xlong 6 feet	"	1 Pon		"
" 3/4" x " 1/16" x "6feet	"	10 "		"
" 1" x " 1/16" x " 6 feet	"	3 "	Pound TOTAL 129.00	"

Kind of the Electlic-wire

copper-wire Twist-wire $100^m/m^2$	feet	60	TOMU 1	Poor
" " 60 "	"	200		100 feet good

in-door,bracket(for electlic bulb use)	"	8			Poor
110 x 5A	"				
Key-socket (")	"	3			Good
Kind of the electlic bulb 100W 200V	"	3			"
The pipe a wall-telephone ~~100W 100V~~	"	13	Pound TOTAL 35.00		"
Steel made, diameter 1 1/2"xthick 1/8"xlong 6 feet	"	1 Pon			"
" 3/4" x " 1/16" x "6feet	"	10 "			"
" 1" x " 1/16" x " 6 feet	"	3 "	Pound TOTAL 129.00		"

Kind of the Electlic-wire					
copper-wire Twist-wire $100^m/m^2$	feet	60		TOMU 1	Poor
" " 60 "	"	200			100 feet good
" " 38 "	"	110			" " Poor
" " 14 "	"	400			150 " good
" " 8 "	"	400			250 " poor
" Single-wire 3.2^{mm}	"	600	kg 975.24		150 " good 250 " poor
" " 2.0 "	"	600			"
" " 1.6 "	"	70	Pound TOTAL 2150.00		"

The vaporize-work's(Biling-down)				
A edge-form open and close instrument				
one edge emancipation form(attached fuse) 220V 100A	Piece	1	TOTAL 5.00	"

Kind of tube(low-pressure)				
middle notpu	"	40		"
small "	"	43		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

				200		100 feet	good
"	"	38 "	"	110		" "	Poor
"	"	14 "	"	400		150 "	" good
"	"	8 "	"	400		250 "	poor
"	Single-wire	3.2mm	"	600	kg 975.24	150 " 250 poor "	good poor
"	"	2.0 "	"	600		"	
"	"	1.6 "	"	70	Pound TOTAL 2150.00	"	
The vaporize-work's(Biling-down) A edge-form open and close instrument one edge emancipation form(attached fuse)	220V 100A		Piece	1	TOTAL 5.00	"	
Kind of tube(low-pressure)							
middle notpu			"	40		"	
small "			"	43		"	
low pressure pin tube			"	9		"	
(attached stratp bot)			"	5	TOTAL 55.00	"	
nothing sword ganard diameter 5/8" x long 8"			"	4	2. 00	Good	
Copper ~~Steel~~-wire, Twist-wire 22 m/m²			feet	150		"	
"	Single-wire 3.2mm		"	75		"	
"	"	1.6 "	"	150	TOTAL 280.00 TOMU 1	"	
					Sum Total 342 Pound 155.131 kg		
Cord ;			feet	30		Good	

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

middle notpu	"	40			"
small "	"	43			"
low pressure pin tube	"	9			"
(attached stratp bot)	"	5	TOTAL 55.00		"
nothing sword ganard diameter 5/8" x long 8"	"	4	2. 00		Good
Copper ~~Steel~~-wire, Twist-wire 22 $^{m}/m^{2}$	feet	150			"
" Single-wire 3.2mm	"	75			"
" " 1.6 "	"	150	TOTAL 280.00 TOMU 1		"
			Sum Total 342 Pound 155.131 kg		
Cord ;	feet	30			Good
A wall telephon	Piece	1	26 Pound		
Trans.(Oil-can, general-cooling)					
three phase. 1700KVA60 cied 3300V/300V	"	2	30~~kg~~ton total 46.8 ~~kg~~ ton	"	enventory list number
" 1320 " 60 " 3300V/234V	"	1	15 "	"	NO.13.14. NO.15.
single phase. 200 " 60 " 3300V/220V/110V	"	3	1. 8 ~~kg~~ton	"	NO.17.
Kind of insulator. 30KV					
High-pressure. Hang insulator diameter 10"	"	30		"	
" Support "	"	90		"	Note: It will be half damage on ocassion to th taking out.
low-pressure, support insulator	"	120		"	
High-pressure, attached strap bolt					

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

Trans.(Oil-can,general-cooling)					
three phase. 1700KVA60 cied 3300V/300V	"	2	30~~kg~~ton total 46.8 ~~kg~~ ton	"	enventory list number
" 1320 " 60 " 3300V/234V	"	1	15 "	"	NO.13.14. NO.15.
single phase. 200 " 60 " 3300V/220V/110V	"	3	1. 8 ~~kg~~ton	"	NO.17.
Kind of insulator. 30KV					
High-pressure.Hang insulator diameter 10"	"	30		"	
" Support "	"	90		"	Note: It will be half damage on ocassion to th taking out.
low-pressure,support insulator	"	120		"	
High-pressure,attached strap bolt insulator	"	3	WAMU	"	
low-pressure "	"	18	1/4	"	
High-pressure,pin insulator 3.5kV	"	40		"	
low-pressure, "	"	10		"	
middle knop	"	20	kg 408.24	"	
small knop	"	100	900 Pound	"	
Kind of tube High-pressure tube diameter 1" x long 12 "	"	20		"	The same as the above.
low pressure tube diameter 5/8"xlong 6"	"	4		"	
" " " 3/8"x " 6"	"	10	80 Pound	"	
Oil switch to put in iron-box 220V 200A	"	2	440 "	"	
open and close instrument(attached tube)	"	30	330 "	"	
Kind of the Electlig-wire copper-wire,			Pound	Kg	

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

low-pressure,		10				
middle knop	"	20		kg 408.24	"	
small knop	"	100	900 Pound		"	
Kind of tube High-pressure tube diameter 1" x long 12 "	"	20			"	The same as the above.
low pressure tube diameter 5/8"xlong 6"	"	4			"	
" " " 3/8"x " 6"	"	10	80 Pound		"	
Oil switch to put in iron-box 220V 200A	"	2	440 "		"	
open and close instrument(attached tube)	"	30	330 "		"	
Kind of the Electlic-wire copper-wire, twist wire 200 m/m²	feet	500	Pound 7000. 00	Kg 4624.36	Good	
" " " 100 m/m²	"	300	2500. 00	TOMU	"	
" " " 38 "	"	200	567. 00	2 - 3	"	
" " single-wire 2mm	"	200	130. 00		"	
		TOTAL	10197. 00			
Kind of electlic utensils ;						
Roset 220V x 10A	Piece	5			"	
lesetptacul 200V x 5A	"	2			"	
Key-socket "	"	4			"	
out-door bracket(Electlic bulb)	"	2			Poor	
T-form 2 Preduction conset 200V x 10A	"	1			Good	
3 Preduction conset 200V x 20A	"	1	Pound 26.00		"	

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 715013

MGP 37

NAME OF PLANT, LABORATORY, OR ARSENAL:
工場, 研究所又ハ兵器廠ノ名稱

LOCATION: Nihon Soda K.K. (TAKAOKA)
所在地 420 Mukaino-machi TAKAOKA-Shi

SIGNATURE OF OWNER OR CUSTODIAN:
所有者又ハ管理人ノ署名

Katsumi Oga

REPARATIONS PLANTS MATERIALS
賠償工場ノ資材

CONTRACTOR'S REPRESENTATIVE:
契約者ノ代表者 Gen Contractors Ass'n of JAPAN (Toyama Branch Member) Sato-Gumi Ryosuke Maruyama

** SIGNATURE OF LOCAL JAPANESE LIAISON OFFICER:
當該地區日本連絡官ノ署名 TOYAMA PREFECTURE Kei Matsuda

PAGE ___ OF ___ PAGES
___頁中ノ第___頁

DATE:
日附 JAN 1947

MATERIAL STOCKS (NOT INSTALLED) 在庫資材表 (施設ニ含マレザルモノ)

ITEM DESCRIPTION 品目名稱	UNIT 單位	QUANTITY 數量	TOTAL ESTIMATED WEIGHT 見積總重量	NUMBER OF CARLOADS 積込貨車數	CONDITION *** 狀態	REMARKS 摘要
Part of Electrolysis-Works,						
Earthen, $3^1/2$"x 24"	Hon	130	Unexplain		little good	
" $4^3/4$"x 24	"	100	"	TOMU 1	"	note
Magnet-made-pipe, $2^3/8$"x 44"	"	150	"		"	gloss's "
Part of the vaporize-works,						
Red-brick, 10^{cm}x20^{cm}x6^{cm}	Piece	200	"	To 1/4	"	
Fire-proof-brick, 10^{cm}x20^{cm}x6^{cm}	"	400	"		"	
The slaked-lime	Kg		2500 Kg		Good	

End;

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

INSTALLED MATERIALS AND SUPPLIES 施設濟ノ資材

ITEM DESCRIPTION 品目名稱		UNIT 單位	QUANTITY 數量	TOTAL ESTIMATED WEIGHT 見積總重量	NUMBER OF CARLOADS 積込貨車數	REMARKS 摘要
Lead pipe	1" ø	feet	65	120 Lb		Poor
"	2" ø	"	65	240 "		"
Iron pipe	2" ø	"	97	290 "		" attached flange
"	4" ø	"	13	100 "		" "
Cast steel pipe	2 3/8 ø	"	65	1400 "		" "
"	2" ø	"	65	1300 "		" "
Cock	25/32" ø	"	30	300 "		" cast-iron made Attached flange
"	2" ø	"	50	500 "		" " "
"	2 3/8" ø	"	20	240 "		" " "
Elbow	2 3/8" ø	"	20	200 "		" " "
"	2" ø	"	20	200 "		" " "
Tee	2 3/8" ø	"	20	240 "		" " "
"	2" ø	"	20	240 "		" " "
Valve	2" ø	"	6	60 "		" tough-lead made 100 Lb Attached Flange
"	4" ø	"	4	120 "		" " "
"	1" ø	"	20	12 "		" Gun-metal made 150Lb glove screw(impossibility)
"	2" ø	"	10	10 "		" " (")

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 745 013

			80	800					
"	$2^3/8$" ø	"	20	240	"	"	"	"	
Elbow	$2^3/8$" ø	"	20	200	"	"	"	"	
"	2" ø	"	20	200	"	"	"	"	
Tee	$2^3/8$" ø	"	20	240	"	"	"	"	
"	2" ø	"	20	240	"	"	"	"	
Valve	2" ø	"	6	60	"	"	tough-lead made	100 Lb Attached Flange	
"	4" ø	"	4	120	"	"	"	"	
"	1" ø	"	20	12	"	"	Gun-metal made	150Lb glove acrew(impossibility)	
"	2" ø	"	10	10	"	"	"	(")	
"	3" ø	"	4	8	"	"	"	(")	
"	4" ø	"	1	4	"	"	iron made	150lb Attached Flange	
"	10" ø	"	2	200	"	"	"	"	
Fan		Stand	1	100	Lb	little good 12" ø 20^{m^3}/min			
Turbine pump		"	3	1800	"	Poor 2"ø 10^{m^3}/Hr(tough-lead made) NO. 7			
"		"	1	600	"	" $1^1/2$"ø 6^{m^3}/Hr (") NO. 8			
Vortical pump		"	2	800	"	" 2"ø10^{m^3}/Hr (siticon-iron made) NO. 16			
"		"	8	3200	"	" 2"ø 0.2^{m^3}/min(lead make) NO. 22			
"		"	1	400	"	" 2"ø " (siticon-iron made) NO.23			

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

Fan	Stand	1	100	Lb		little good 12" ø 20 m^3/min
Turbine pump	"	3	1800	"		Poor 2"ø 10 m^3/Hr(tough-lead made) NO. 7
"	"	1	600	"		" $1^1/2$"ø 6 m^3/Hr (") NO. 8
Vortical pump	"	2	800	"		" 2"ø10 m^3/Hr (siticon-iron made) NO. 16
"	"	8	3200	"		" 2"ø 0.2 m^3/min(lead make) NO. 22
"	"	1	400	"		" 2"ø " (siticon-iron made) NO.23
Discharge-wind machine	"	1	400	"		Good 8"ø 20 m^3/min NO.33
Turb-blower	"	2	1200	"		Poor 28 m^3/min 1m. W.G. NO.27
Blower	"	1	400	"		Good 4"ø 10 m^3/min NO.34
			ILECTRIC			
Idge from breaker (3 poles 200V 300A)	Piece	1				Poor
" (" " 200A)	"	3				"
" (" " 150A)	"	4				"
" (" " 100A)	"	3				"
" (" " 75A)	"	4				"
" (" " 50A)	"	2				"
" (" " Attached cover 20A)	"	4				"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

				Poor 28 /min 1m. W.G. NO.27
Blower	"	1	400 "	Good 4"ø 10 m^3/min NO.34

ILECTRIC

Idge from breaker (3 poles 200V 200A)	Piece	1		Poor
" (" " 200A)	"	3		"
" (" " 150A)	"	4		"
" (" " 100A)	"	3		"
" (" " 75A)	"	4		"
" (" " 50A)	"	2		"
" (" Attached cover " 20A)	"	4		"
" (2 poles " 100A)	"	1		Good
" (" " 75A)	"	3		Poor

Edge from breaker Attached cover (2 poles 200V 50A)	Piece	5		Poor
" (" " ")	"	3	180 Lb	Good
" (" " 30A)	"	2		Poor
" (" " 30A)	"	1		Good
A.C. Galvanometer 150A	"	1		Poor
" 100A	"	3		"
" 50A	"	3		"

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

"				
(2 poles " 100A)	"	1		Good
"				
(" " 75A)	"	3		Poor
Edge from breaker Attached cover				
(2 poles 200V 50A)	Piece	5		Poor
"				
(" " ")	"	3	180 Lb	Good
"				
(" " 30A)	"	2		Poor
"				
(" " 30A)	"	1		Good
A.C. Galvanometer 150A	"	1		Poor
" 100A	"	3		"
" 50A	"	3		"
" 30A	"	1		"
" 20A	"	3	38 Lb	Good
" 15A	"			"
An electric charge wattmeter 200A 300 A/5A	"	1		"
" 110A 100A	"	1	17 "	"
Conventer-metor(exposure form) 300A/5A	"	2	40 "	"
Kind of electric line				
copper-wire twist-wire 100mm	Feet	100	750	Poor
" " 38 "	"	110	280	"
" " 22 "	"	150	260	Good
" " 14 "	"	210	180	"
" " 8 "	"	220	120	"
" single-wire 3.2 "	"	200	110	Poor

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

"	100A	"	3		"
"	50A	"	3		"
"	30A	"	1		"
"	20A	"	3	38 Lb	Good
"	15A	"			"
An electric charge wattmeter 200A 300 A/5A		"	1		"
"	110A 100A	"	1	17 "	"
Conventer-metor(exposure form) 300A/5A		"	2	40 "	"
Kind of electric line copper-wire twist-wire	100mm	Feet	100	750	Poor
" "	38 "	"	110	280	"
" "	22 "	"	150	260	Good
" "	14 "	"	210	180	"
" "	8 "	"	220	120	"
" single-wire	3.2 "	"	200	110	Poor
" "	2.0"	"	700	100	Good
" "	2.6"	"	150	55	Poor
" "	1.6"	"	120	14	Good
Kind of insulator(medium knop)		Piece	50		It will be half of damage, on the occasion to taking out.
" (small ")		"	160	130	

Kind of Insulator(medium knop) (weight knop)	Piece	100	
Low pressure insulator	"	16	
Kind of tube(no-sword-guard) diameter long			
5/8" x 6"	Hon	15	It will be half of damage, on the occasion to taking out.
3/8" x 6"	"	20	

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

"	22 "		150	200	Good
" "	14 "	"	210	180	"
" "	8 "	"	220	120	"
" single-wire	3.2 "	"	200	110	Poor
" "	2.0"	"	700	100	Good
" "	2.6"	"	150	55	Poor
" "	1.6"	"	120	14	Good
Kind of insulator(medium knop)		Piece	50		It will be half of damage, on the occasion to taking out.
" (small ")		"	160	130	
Kind of Insulator(medium knop) (weight knop)		Piece	100		
Low pressure insulator		"	16		
Kind of tube(no-sword-guard) diameter long					
5/8" x 6"		Hon	15		It will be half of damage, on the occasion to taking out.
3/8" x 6"		"	20		
Tube (Attached sword-guard) diameter long					
2" x 2 1/2"		Piece	4		
5/8" x 1 1/4"		"	10		
3/4" x 1"		"	40		
3/8" x 1"		"	50		
Kind of pipe thickness diameter long					
1/8" x 1" x 6'		Hon	2		
1/6" x3/4" x 18'		"	7	150 Lb	
Ilectricity utensils outdoors-bracket		Piece	5		Poor

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

(weight knop)	Piece	100		
Low pressure insulator	"	16		
Kind of tube(no-sword-guard) diameter long				
5/8" x 6"	Hon	15		It will be half of damage, on the occasion to taking out.
3/8" x 6"	"	20		
Tube (Attached sword-guard) diameter long				
2" x 2 1/2	[illegible]	[illegible]		
5/8" x 1 1/4"	"	10		
3/4" x 1"	"	40		
3/8" x 1"	"	50		
Kind of pipe thickness diameter long				
1/8" x 1" x 6'	Hon	2		
1/6" x3/4" x 18'	"	7	150 Lb	
Ilectricity utensils outdoors-bracket	Piece	5		Poor
Key-socket(for electric-bulb) 110V x 5A	"	3		Good
Tambour-switch 110V x 10A	"	1		"
2 poles consent	"	2		Poor
Electric-bulb 100W 220V	"	4		Good
" 100W 110V	"	2		"
A wall telephon	"	1	35 Lb	"
Push-button switch (for 2H.P. use) 200V x 15A	"	1	Sum Total 17.243 Lb	Sum Total 8 "

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

MGP 37

NAME OF PLANT, LABORATORY, OR ARSENAL:
工場, 研究所又ハ兵器廠ノ名稱

LOCATION: Nihon Soda
所在地 420 Mukaino-machi Takaoka-shi

SIGNATURE OF OWNER OR CUSTODIAN:
所有者又ハ管理人ノ署名

Katsumi Oga

REPARATIONS PLANTS MATERIALS
賠償工場ノ資材

CONTRACTOR'S REPRESENTATIVE:
契約者ノ代表者 Gen Contractors' Ass'n of Japan Toyama Branch Member Sato-Gumi Ryosuke Maruyama

** SIGNATURE OF LOCAL JAPANESE LIAISON OFFICER:
當該地區日本連絡官ノ署名 Toyama Prefecture Kei Matsuda

PAGE ___ OF ___ PAGES
___頁中ノ第___頁 14

DATE:
日附 Jan 1947

MATERIAL STOCKS (NOT INSTALLED) 在庫資材表 (施設ニ含マレザルモノ)

ITEM DESCRIPTION 品目名稱	UNIT 單位	QUANTITY 數量	TOTAL ESTIMATED WEIGHT 見積總重量	NUMBER OF CARLOADS 積込貨車數	CONDITION *** 狀態	REMARKS 摘要

The opinion of the surveyor.

1. Is (not) operating. No.
2. The name of production. Nail
3. Is (not) a conversion plant. No.
4. Is (not) producing for occupation forces, if so descript the permittion number. No.
5. Any affection of plant to removal of survey item. No.
6. Further the reference description are kept on the

* Owner or custodia
所有者又ハ管理人
*** Describe as New,
狀態ハ新品

Eighth Army Printing Plant-Beppu
2798

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

1. Is (not) operating. No.
2. The name of production. Nail
3. Is (not) a conversion plant. No.
4. Is (not) producing for occupation forces, if so descript the permittion number. No.
5. Any affection of plants to removal of survey item. No.
6. Further the reference description are kept on the remarks column. ~~yes~~
7. Installed materials and supplies is (not) take away only but after to removal of reparation materials yes.

Ryosuke Maruyama

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

DECLASSIFIED E.O. 12065 SECTION 3-402/NNDG NO. 775013

MGP 37
NAME OF PLANT, LA
工場, 研究所又
LOCATION: Niho
所在地 420
SIGNATURE OF OW
所有者又ハ管理
Katsu

PAGES
頁 14
1947

要

Takaoka Plant,
Nippon Soda Co., Ltd.
No. 420, Mukaino-machi, Takaoka,
Toyama Prefecture.

January 25, 1947, Takaoka

Signed: [illegible]
Superintendent

To: The Supreme Commander for Allied Powers

Thru: The Toyama Military Government Team

Subject: Opinion for Research of Reparation Plants Materials

Our sulphuric acid plant is continuing its operation at present with generous consideration of the Occupation Forces. Through this operation we are contributing to the maintenance of public health and welfare by manufacturing sulfonamide series medicines and saccharine, substitute of sugar, which are in urgent demand of the people. Furthermore, recovered sulphuric acid is sent to fertilizer plants as a raw material of ammonium sulphate and so we are also contributing to the increase of food-stuff production.

* Owner or custodian to attach statem
所有者又ハ管理人ハ必要ニ應ジ說明書ヲ
*** Describe as New, Good, or Poor.
狀態ハ新品, 良品, 不良品ト記載ノ

t if he desires.

Eighth Army Printing Plant-Sasajima
27246

No. 420, Nukaino-machi, Takaoka,
Toyama Prefecture.

January 25, 1947, Takaoka

Signed [illegible]
Plant Superintendent

To: The Supreme Commander for Allied Powers

Thru: The Toyama Military Government Team

Subject: Opinion for Research of Reparation Plants Materials

Our sulphuric acid plant is continuing its operation at present with generous consideration of the Occupation Forces. Through this operation we are contributing to the maintenance of public health and welfare by manufacturing sulfonamide series medicines and saccharine, substitute of sugar, which are in urgent demand of the people. Furthermore, recovered sulphuric acid is sent to fertilizer plants as a raw material of ammonium sulphate and so we are also contributing to the increase of food-stuff production.

The materials listed in " Installed materials and Supplies " corresponding th the capacity of the plant and unbalance of its capacity is followed with removal of only any one of them. And these are indespensable to continue our operation of the plant at present.

From the reason above mentioned, I submit to you this opinion and hope your generous consideration lest the plant

* Owner or custodian to attach statem[illegible] t if he desires.
所有者又ハ管理人ハ必要ニ應ジ説明書ヲ[illegible]
*** Describe as New, Good, or Poor. "Good" will [illegible]
状態欄ニハ新品, 良品, 不良品ト記載ノ[illegible]

Eighth Army Printing Plant-Sapporo
3746

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

MGP 37
NAME OF PLANT. L
工場, 研究所名
LOCATION: Niho
所在地 420
SIGNATURE OF OW
所有者又ハ管理
Katsum

1947

要

Fukuoka Plant,
Ribbon Soap Co., Ltd.
No. 450, Nakano-machi, Fukuoka,
Fukuoka Prefecture.

For the Supreme Commander for Allied Powers
Through: the Japanese Military Government Team
Subject: Report on Plant Facilities

should become unbalanced on its capacity and impossible to
continue its operation by removal of any one of these materials.

Signed Katsumi Oga
Title Superintendent

* Owner or custodian to attach statement if he desires.
所有者又ハ管理人ハ必要ニ應ジ説明書ヲ添附ノコト.

*** Describe as New, Good, or Poor. "Good" will indicate "suitable for general use." "Poor" will indicate "not suitable for reuse."
状態欄ニハ新品, 良品, 不良品ト記載ノコト. 良品ハ一般使用ニ適スルモノ, 不良品ハ再使用ニ適サザルモノヲ示ス.

** Prefectural Japanese Liaison Officer to attach statement if he desires.
各都道府県連絡官ハ必要ニ應ジ説明書ヲ添附ノコト.

Eighth Army Printing Plant-Sumiyoshi
27108

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