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Nippon Cold Storage Co., Table Requested & Allocated Materials, Jan-June, 1948 (cont'd)

April	500	25	26	16	0	0
May	500	50	27	25	0	700
June	600	50	27	18	0	0
July	300	50	18	71	0	0
Total	2200	250	158	158	7000	2450

A total of two ice producing facilities in Senzaki with a combined production total of 19 tons per 24 hours is not considered adequate to meet peak demand tonnage in this Class A fishing port.

The plant of Nippon Cold Storage Co. was producing maximum tonnage of 16 tons per day on 14 July 1948 and were reserving approximately 8 tons of said production daily. Plans are in the offing to add another 10-ton machine to augment existing producing equipment and step up production total. The proposals for same are feasible since the present facility has a brine tank capacity for 540 cans and is using only 420 in production now. Total production tonnages were curtailed during June 1948 resultant of power cutoffs since plant has not completed arrangements for direct power hookup.

The only other plant in Senzuki owned and operated by the Senquki-machi Fishery Association with a 3-ton per 24 hour capacity had been down 10 days prior to date of survey due to loss of system ammonia supply attributed to leak in expansion. pipes. Resumption of activity is dependent upon procurement of replacement pipe and replenishment of system ammonia. Temp. repair

NIPPON COLD STORAGE PLANT (SENZAKI)
1948 PRODUCTION AND DISTRIBUTION (Jan-June)

MONTH	TONS PRODUCED	TONS FOR FISH	HOSPITALS & GENERAL USE	TOTAL TONNAGE SOLD
1	381.99	281.835	15.884	297.719
2	99.332	304.902	22.541	327.443
3	348.	272.904	20.380	293.284
4	539.998	538.032	45.621	583.653
5	626.001	543.373	81.078	624.451
6	497.333	357.405	90.180	447.585
7				
	2,492.663	2,298.451	275.684	2,574.135

TYPE OF PLANT - AMMONIA COMPRESSION - DIRECT EXPANSION

Ice making capacity per 24 hours - 16 tons
420 can capacity - 78 hour freeze
Ice storage space - 125 cubic tsubo
Tons of ice storage space - 250 tons
Tons in storage - 13 July - 86 tons
Tons in storage - 29 January - 210 tons
Present total going into reserve daily - 8 tons
Receiving capacity in K.W. - 70

Cold Storage Space

Total 57 cubic tsubo

A	B
-10° C	-3° C

Started using 5-ton compressor in April, 1948

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We have been longing for the conclusion of a Fishing Agreement with the neighbouring countries enabling us to enter any part of the public seas freely after the Peace Treaty. The tension of international relations, however, seems to deny us a chance for the realization of our long-cherished desire for some years to come. If the extension of fishing area be approved through you kindness at this time, not only the members of the Association and 100,000 employees but also their dependents will be saved from the present plight.

Respectfully yours,

MASUDA Mokichi
Vice-President,
Japan Deep-Sea Trawl
Fishery Association.

TOKUSHIMA Iwakichi

YAMASAKI Kinosuke

REQUESTED AND ALLOCATED MATERIALS
NIPPON COLD STORAGE CO - SENZAKI PLANT
JUNE-JULY 1948

MONTH	NH3 Kgs REQUESTED	ALLOCATED	Ice Mach Oil (Litres) REQUESTED	ALLOCATED	$CaCl_2$ Kgs REQUESTED	ALLOCATED
Jan	580	25	24	23	0	0
Feb	500	25	24	25	2000	1750
Mar	500	25	24	24	5300	5250
April	800	50	72	19	0	0
May	800	50	72	48	1700	1500
June	800	50	72	36	0	0
July	400	0	24	0	670	0
Total	4380	225	312	175	9670	8500

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The plant of Senzaki Tishery Association has refrigerated storage space for 8 ton of ice, with a maximum 90 tons per month production. The plant is a 64-can freeze with a 14 K.W. receiving capacity. Ice cans are in good condition and power allocations have been adequate. The following tables for materials requested and allocated from January-July 1948:

MONTH	NH3 Kgs REQUESTED	NH3 Kgs ALLOCATED	Ice Mach Oil (Litres) REQUESTED	Ice Mach Oil (Litres) ALLOCATED	CAC/2 Kgs REQUESTED	CAC/2 Kgs ALLOCATED
1	75	0	12	0	1000	700
2	75	0	12	0	1000	700
3	100	25	12	2	1000	0
4	75	0	18	10	0	0
5	75	25	18	12	0	350
6	100	25	18	9	0	350
7	100	25	18	18	0	0
Total	600	100	108	51	3000	2100

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NIPPON COLD STORAGE PLANT (SENZAKI)-1948 PRODUCTION & DISTRIBUTION (JANUARY-JUNE)

MONTH	TONS PRODUCED	TONS FOR FISH	HOSPITALS & GENERAL USE	TOTAL TONNAGE SOLD
1	381.99	281.835	15.884	297.719
2	99.332	304.902	22.541	327.443
3	348.	272.904	20.380	293.284
4	539.998	538.032	45.621	583.653
5	626.001	543.373	81.078	624.451
6	497.333	357.405	90.180	447.585
7	?	?	?	?
	2,492.663	2,298.451	275.684	2,574.135

TYPE OF PLANT - AMMONIA COMPRESSION - DIRECT EXPANSION

Ice making capacity per 24 hrs - 16 tons
420 can capacity - 78 hr freeze
Ice storage space - 125 cubic tsubo
Tons of ice storage space - 250 tons
Tons in storage 13 July - 86 tons
Tons in storage 29 January - 210 tons
Present total going into reserve daily - 8 tons
Receiving capacity in K.W. - 70

Cold Storage Space

Total 57 cubic tsubo

A	B
-10°C	- 3° C

Started using 5-ton compressor in April 1948

REQUESTED & ALLOCATED MATERIALS - NIPPON COLD STORAGE CO, Sensaki Plant
June-July 1948

Month	NH3 Kgs Requested	NH3 Kgs Allocated	Ice Mach Oil (Litres) Requested	Ice Mach Oil (Litres) Allocated	CaCl2 Kgs Requested	CaCl2 Kgs Allocated
Jan	580	25	24	23	0	0
Feb	500	25	24	25	2000	1750
Mar	500	25	24	24	5300	5250
April	800	50	72	19	0	0
May	800	50	72	48	1700	1500
June	800	50	72	36	0	0
July	400	0	24	0	670	0
Total	4380	225	3.2	175	9670	8500

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The port of Shimonoseki has adequate ice storage and sufficient producing capacity to satisfy imposed peak demand on ice provided materials are made available and power allocations necessary to support tentative production schedules are as indicated in statistical section of this report.

Sharp contrasts for comparative analysis exist between the concentrated potential in the Shimonoseki area and the wide dispersals of residual plants. This fact is magnified when consideration is made for an aggregate daily potential tonnage approximating 1,143 tons in Yamaguchi Prefecture against the 915 ton daily capacity in Shimonoseki, which represents 80% of total.

Deductible from the aggregate 217,520 tons produced in Yamaguchi Prefecture July 1947-June 1948 are the 183,841 tons or 84% produced by six facilities in Shimonoseki.

Since January 1948 the additional facilities, including both the 200-ton unit at Taiyo No. 2 I. M. Plant and the increase from 7 1/3 tons to 50 tons at Kanmon I.M. Plant has boosted total tonnage 243 tons per 24 hours.

Additional storage space is badly needed at the last mentioned plant, where existing ice storage room of 108 cubic feet with accommodations for a maximum 270 tons of ice is inadequate. Available storage facility for 1000 tons of ice, pending materials approval for minor repairs will alleviate this problem in the near future.

The plant of Kawai with a producing potential of 17 tons is using only 10 tons, as per statistics section of this report.

In conclusion it is believed that a reduced demand for ice accruing from sources outside Shimonoseki during 1948 plus the additional potential of enlarged facilities will suffice for the economy of this area.

The following reports are the results of surveys conducted at the six major producing facilities in Shimonoseki.

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1. Name of Plant: Shimonoseki No. 2 Refrigeration Plant of Taiyo Fishing Co., Ltd.

2. Location: 19 Yamato- cho, Shimonoseki City

3. Capacity.

(a) Type of Plant: Vertical Single Action Closed Type Ammonia Compression

(b) Type of System:

Ice making: Cooler type

Refrigeration: Ammonia Direct Expansion Type Multiplate (Taubin) type, inactive

Cold Storage : Brine Indirect

(c) Rating of Plant (with accompanying statement Tons of refrigeration per /24 hours (pressure and temp.) (range)

1. Refrigeration (tons per 24 hrs)

Name	No. of Machines	Tons/24 hrs	Total/per 24 hrs
Hayashikane Ammonia compressor	6	144	864
"	"	2	111	22
"	"	2	144	1288
Total			2374 tons

Pressure and Temperature Range

Plant	Delivery press.	Suction press.	Temperature
Ice Making	8-16Kg/cm2	0-2.4Kg/cm2	-4' C to -11' C
Cold Storage	8-14	0-1.0	-5' C " -30' C

Ice Making Capacity per /24 hours 34 tons

Ice Storage Space (Refrigerated) 146,880 cubic ft.

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4. Ice storage space will hold : 3.00 tons

5. Total ice reserves as of 1 July 1948 843 tons
" " " " 24 July " reehook 1500 "
" " " " " " Gain 657 "

6. Can capacity total 3.536 (300 lb type 2.472)
(200 lb type 1.064)

7. Cold storage space (cubic feet) :

Type	No of rooms	Capacity
Freezer	4	65.146.72 cu.ft.
Cold Storage	3 4	957.409.23 " "

8. Type of storage : Brine Indirect

9. Brine solution used :

Ice Making (No 1 : 140 tons) CaCl2 Calcium Chloride
(No 2 : 240 ") Mg Cl2 Magnesium "
Cold Storage : Ca Cl 2

Amount used per year: tons Ca Cl2 Calcium chloride
260 tons

Mgcl2 Magnesium Chloride
100 tons

10. Ice Machine Oil liters used per year : 35.848
" " " requested allocation : 33.020
" " " received allocation : 9.593

The above totals were for the period of July 1947 to June 1948.

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13. Ammonia (NH3) Kg's used per year during the period July 1947 to June 1948

Total k'gs use	20,040
Requested allocation	33,920
Allocation received	9,593

14. Total demand or receiving capacity in K.W. for :

Ice Plant	Demand	900 KW	Receiving Cap.	950 KW
Cold Storage	"	500 KW	" "	550 "

Power allocations with attendant consumption for period January through June 1948

	Jan.	Feb.	Mar.	April	May	June
Allocation :	728,840	624.450	712,900	689,000	746,000	709.332
Consumed	502,030	363.080	477,840	650.460	739.610	709.020
Shortage	None	None	None	None	None	None

July allocation was 829,000 KWH

15. Materials allocations Jan - July 1948

Month	NH3(Kg's)		Ice Mach Oil (Litres)		CaCl2	
	Requested	Allocated	Requested	Allocated	Requested	Allocated
1.	2500	600	2500	486	150,000	10,000
2.	2500	600	2500	611	15.000	11.000
3.	2500	800	2500	633	10,000	35.000
4.	2000	800	3100	830	15.000	0
5.	2000	800	3300	1000	15.000	19,000
6.	2000	900	3100	798	20,000	25.000
7.	2500	900	2000	2562	15,000	0
Total	16000	5400	19000	6920	105.000	10,000

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16. This facility during the first six months of 1948 averaged 61% of its maximum monthly potential of 10,230 tons, and during the months of April and May produced 90% of rated capacity.

Sufficient materials are stockpiled, or in promised procurement to sustain 90% of maximum production through October. However, the quoted percentages are dependent upon continued power availability.

17. The following breakdown of ice production is channeled into the following with 60% of all manufactured ice going to the parent companys fishing interests.

1948 MONTH	FOR FISHING	FOR OCCUPATION HOSPITAL AND GENERAL USE
May	99%	1%
June	98%	2%

See statistical Section of this Report for Further Detail

18. The procurement numbers of ice plant and cold storage facility on demand are as follows:

JFNZ - 5419 - B - Ice Plant
HRSG - 614)
HRSG - 1987)- Cold Storage Rooms
HRSG - 1929)

19. The total potential of this plant has been increased from 140 tons/per 24 hrs to 340 tons/per 24 hrs as of Oct 1947 with an aggreate potential of 6000 tons/per month increase.

20. This facility has not suffered production losses from utility absolescence or replacement procurements, etc., other than routine maintenance variables.

Freezing and Cold Storage	-----7 years
No.1(140 ton) Ice Making Plant	-1 year
No.2(200 ton) Ice Making Plant	-1 year

21. The nominal off peak demand periods of January, February, March, July and August allow this facility to buildup marginal ice reserves and accounts for a rebalanced demand and supply as revealed on 1 July 1948 survey. However, on a recheck of ice reserve on 23 July 1948 with a total gain of 657 tons over 1 July inventory of 843 tons against a scheduled 7,500 tons, production for July was very disappointing dispite seasonal and enforced restrictions on certain types of fishing. No satisfactory reason was advanced for same.

22. Total and estimated production totals for 1948 with corresponding 1947 schedule and attendant power and materials consumption for said periods are included in statistics section of this report.

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Shimonoseki No. 2 Refrigeration Plant of Taiyo Fishing Co.

Result of Demand & Supply of Ammonia

From July. 1947 to June. 1948.

1. Each month (or each term) applied quantity (Unit MT.):

	July. Aug. & Sept.	Oct., Nov. & Dec.	Jan.,Feb. & Mar.	Apr., May & June	Total
Quantity applied for :	6,950	5,500	5,000	6,000	23,450

2. Each month (or each term) allocation total:

	July. Aug. & Sept.	Oct., Nov. & Dec.	Jan.,Feb. & Mar.	Apr., May & June	Total
Allocation quantity :	1,600	2,000 *(6,000)	2,000	2,500	21,500

Remark : * ( ) is being requisitioned on special allocation.

3. Each month use quantity :

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Result of use :	1,100	800	1,850	6,500	550	1,500	1,000	1,000	1,000	890

	May	June	Total
Result of use :	850	3,000	20,040

4. Result of each month purchasing besides allocation for shortage :

	July.Aug. & Sept.	Oct., Nov. & Dec.	Jan.,Feb. & Mar.	April & May June	Total
Shortage	2,150	550	1,000	Plus 5,160	Plus 1,460

Result of Supply & Demand of Refrigerator Oil

1. Each month (or each term) applied quantity : (Unit:Litre) From July 1947 to June. 1948.

	July.Aug. & Sept.	Oct., Nov. & Dec.	Jan., Feb. & March	April	May	June	Total
Quantity applied for	8,100	7,920	7,500	9,000	9,000	3,500	33,020
					9,500		

2. Each month (or each term) allocation quantity :

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2. Each month (or each term) allocation quantity : Unit : Litre

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Allocation quantity:	461	925	850	540	461 *1.500	492	492	611	633

	April	May	June	Total
Allocation quantity:	830	1.000	798	9.593

*Special allocation

3. Each month use quantity:

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Quantity of use :	1.699	2.484	4.788	5.231	3.559	3.106	1.796	1.746	1.654

	April	May	June	Total
Quantity of use :	2.545	3.675	3.565	35.848

4. Shortage (use of reproduced oil) :

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Shortage :	1.238	1.559	3.938	4.691	1.598	2.614	1.304	1.135	1.021

	April	May	June	Total
Shortage :	1.715	2.675	2.767	26.255

POTASSIUM CHLORIDE

from July, 1947 to June, 1948.

1. Each month (or each term) applied quantity : Unit:ton

July, Aug. & Sept.	Oct., Nov. & Dec.	Jan., Feb., & Mar.	Apr., May & June	Total
10. 10. 10	130.10.10	10. 10. 10	10. 30. 10	260

3. Each month (or each term) result of use : not designated productive material

July, Aug. Sept.	Oct., Nov. Dec.	Jan., Feb. Mar.	Apr. May June	Total
0 29. 0	130. 50. 24	10. 1. 35	0. 18.2 5.1	252.8

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Amount of Transaction of Frozen & Cold-storage Goods

Transaction from June, 1947 to July, 1948

Total output	6,312.7 ton	
Marine products	2,373.7	38%
Fruits & Vegetables	858.9	14%
Whales	1,725.1	27%
Others	1,355.0	21%

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Name of Plant : Shimonoseki No. 2 Refrigeration Plant of Taiyo Fishing Co., Ltd.

Location: 19 Yamato-cho, Shimonoseki

Out put from June to November 1947:

Month	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton)	4.095	3.908	3.239	3.613	4.939	6.118	6.534

The scheduled output of the period from Jan. to Dec.1948 (figures from Jan. to June showing the actual output):

Month	Jan.	Feb.	Mar.	Apr.	May	June	July
Output (ton)	6.048	3.427	5.868	9.022	9.142	7.558	7.500

Month	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton)	7.500	8.500	9.000	9.000	8.500

To attain the scheduled output above, shortages of materials as listed below during period from July to September this year.

Month	Freezing Machine Oil	Machine Oil	Liquid ammonia	Electric power
July	1,600 litres	216 litres	1,200 kg.	35,000 KW
August	1,600 "	216 "	1,600 "	42,000 "
Sept.	1,600 "	216 "	1,700 "	28,000 "
TOTAL	4,800 Litres	648 Litres	4,500 Kg.	105,000 KW

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1. Name of Plant : Shimonoseki No. I Refrigerating Plant of Taiyo Fishing Co., Ltd.

2. Location : I-4198 Oimachi, Hikoshima, Shimonoseki

3. Capacity :

(1) Type of Plant : (a) Vertical Single Acting Closed Type Ammonia Compressor, -----manufactures of York & Co., U.S.A.---------- I

(b) Ditto, manufacture of Hayashikane Shipyard Co., Ltd. 5

(2) Type of System :

Ice Making : Cooler Type.

Refrigeration : Ammonia Direct Expansion Type

Cold Storage : Brine Indirect Type.

(3) Rating of refrigerating machine (tons of refrigeration per 24 hours) With statement of pressure & temperature range.

Type of plant	Tons of refrigeration per 24 hours	Number of plant	Total
(a)	100 ton	I	100 ton
(b)	50 "	5	250 "
TOTAL			350 ton

Pressure & Temperature Range

Kind	Delivery pressure	Suction pressure	Temperature
Ice making	13~16 Kg/cm2	0.7 ~I Kg/cm2	-4°c.~ 10°c.
Cold Storage			-5°c.~20°c.

4. Ice making capacity per 24 hours : 180 ton

5. Ice storage space (cubic feet or cubic metres) :

a. One-storied warehouse ---------- 2,349 cubic metres

b. New ice storage ---------- 2,520 " "

Total 4,879 cubic metres

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6. Total ice storage space(refrigerated).....3,000 tons

7. Ice reserves in storage as of 1 July 1948 --211 tons
   " " " recheck " " 24 " " --262 "
   " " " gain " " " " " -- 51 "

8. Total demand exceeded production at this facility up to and including the first part of July, having been alleviated by decreased activity of fishing fleet.

9. This activity is operating at about 58% of its rated potential as of 23 July 1948, due to the fact that routine maintenance on two of the 5 plants are being effected. The obsolesence of production equipment with the aggregate of 25 years, plus the delay in procurement of replacement parts is detracting from the total summation of ice reserve which could nominally be built up during the recess in fishing activity. The replacement of two (2) 50 ton machines is in process and completion dates for same are scheduled for 15 August 1948.

10. Cold storage space totaling 7,146 cubic meters employing a brine circulating system and data as included in items 2 & 3 of this report were considered in materials estimates

11. Brine solution used CaCl2 (Calcium Chloride) per year averages thirty (30) tons.

12. Refrigerant Ammonia (NH3)(Kg's per year) total 18,325 avg. Present allocations of ammonia are not sufficient to support full scale production or the tentative 15,000 ton schedule July/September, which will require an estimated 7,500 Kg's (NH3).

13. A total of 4,500 liters of ice machine oil will be required to augment July / September production segment of an average yearly consumption of 17,826 liters

14. The receiving capacity of facility in kilowatts is 550 KW The accompanying power allocations with attendant applications, and existing shortages from January 1948 to June 1948 are shown as follows in K.W.H.

Month	Jan.	Feb.	Mar.	Apr.	May
Applied for	400,000	400,000	400,000	520,000	520,000
Allocated	298,900	252,900	309,800	348,000	440,000
Shortage	101,100	147,100	90,200	172,000	80,000

The plant estimate of 1,430,000 kwh for said period based on a 550 KW receiving capacity is to high to the extent of 265,600 kwh. considering a maximum production of 16,560 tons instead of the scheduled 15,000 tons to be produced.

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TABLE OF REQUEST & ALLOCATED MATERIALS 1948 JAN - JULY
Taiyo Hoi Fishing Co.,Lt.
Shimonoseki

Month	NH3 Requested	Kg's Allocated	Ice Machine Oil(Litres) Requested	Allocated	CaCl Requested	Kg's Allocated
Jan.	2000	600	2300	252	20,000	5,000
Feb	2000	600	2500	252	20,000	3,000
March	2000	800	2500	254	20,000	0
April	2000	1800	2500	470	20,000	28,000
May	2000	1800	2500	600	20,000	3,000
June	2000	1900	2300	450	20,000	45,000
July	2500	900	2500	1,087	20,000	0
TOTAL	14,500	8400	17,100	3365	140,000	84,000

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The ice production of this facility was diverted to the following sources July 1947 - June 1948.

Fish preservation	75%
General Use	25%

The largest single consumer of ice is the Matao Pelagic Fishery Cooperative - 10%. Facility does not have any PD Nos.

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Name of Plant :
Shimonoseki No. 1 Refrigerating plant of Taiyo Fishing Co., Ltd.

Location:
1 - 4198 Oimachi, Hiroshima, Shimonoseki

Output from June to Nov. in 1947:

Month :	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	ton	ton	ton	ton	ton	ton	ton
Output :	5.590	4.370	2,605	2.559	3.917	3.954	3.632

The scheduled output of the period from Jan. to Dec. 1948 (figures from Jan. to June showing the actual output):

Month :	Jan.	Feb.	Mar.	Apr.	May	June
	ton	ton	ton	ton	ton	ton
Output :	3.315	3.004	3.388	2.502	3.502	3.094

Month :	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
	ton	ton	ton	ton	ton	ton
Output :	5.000	5.000	5.000	5.000	5.000	5.000

To attain the scheduled output above, shortages of materials as listed below during the period from July to Sept. this year exist:

Month	Freezing Machine Oil	Machine Oil	Liquid Ammonia	Electric Power
July	1,500 litre	150 Litre	2,500 kg	485,000 kw
August	1,500 "	150 "	2,500 "	500,000 "
Sept.	1,500 "	150 "	2,500 "	495,000 "
Total	4,500 litre	450 litre	7,500 kg	1,480,000 kw

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1. Name of Plant : Nippon Cold Storage Co., Ltd., Hikoshima, Honmura Plant

2. Location : 365 Shimonoda, Hikoshima, Shimonoseki

3. Capacity :

(1) Type of Plant : Horizontal Double Cylinder Double Acting Center Crank Type---------- 2

Vertical Double Cylinder Double Acting Center Crank Type---------- 2

(a) Ice-making : Ammonia Direct Expansion Type.

(b) Cold storage : - Ditto -

(2) Type of System :

(a)	Ice-making :	208 ton	2	416 ton
(b)	Cold storage:	20 ton	1	20 "
	" -	9.44 "	1	9.44 "
	TOTAL ----------			445.44 ton

(3) Rating of refrigerating machines (tons of refrigeration per 24 hours) with statement of pressure & temperature range):

Type of Plant	Tons of Refrigeration per 24 hours	Number of plant	Total
(a)	208	2	416 ton
(b)	(20	1	20 "
	(9.44	1	9.44 "
TOTAL	237.44		445.44 ton

Pressure and Temperature Range

Kind	Delivery Pressure	Suction Pressure	Temperature
Ice-making :	13 - 15 Kg/cm2	1 - 1.4 Kg/cm2	-5°c to -10°c
Cold storage:	- Do -	0.7 - 1 Kg/cm2	-3°c to -5°c

4. Ice-making capacity per 24 hours : 220 tons

5. Ice storage space cubic feet or cubic metres : 239.314 cft.

6. How many tons of ice will storage space hold : 3,925 ton

7. How much ice is in the storage now (tons) : 150 tons (as of 7 July).
How much ice is in reserve now (tons) 23 July : 1800 tons

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8. Cold storage space cubic feet or cubic metres :

We have no cold storage space

9. Type of storage carried:

Not applicable

10. Brine solution used : CaCl2

11. Average quantity used per year (tons) CaCl2 : 229 ton

12. Ice machine oil. Liters used per year : 2,308 liter.

13. Ammonia (NH3) Kilograms used per year : 12,400 Kg.

14. Total demand or receiving capacity in K.W. of ice-making plant :

Total demand 3,800,000 KWH Receiving Capacity 4,000,000 KWH R.C.W. HAP 600 K.W.

15. Total demand or receiving capacity in K.W. of cold storage plant :

Not applicable.

16. Is your present output of ice more than demand for ice:

It has been properly balanced.

17. Are surpluses going into reserve ?

Yes, they are going into reserves.

18. Is ice storage space adequate ?

Yes, it is adequate

19. Is plant operating 24 hours per day (if not why?) :

Yes, it is operating 24 hours per day.

20. Are you forced to supplement official allocations of ammonia, ice machine oil, etc. from other sources? Can it be obtained that way :

We are forced to purchase them at the blackmarket. But, it recently became very hard to get even in the blackmarket.

21. How do you sell ice ? Whole-sale.- Retail.- Both :

Both the wholesale and the retail.

22. Population of town or city in which ice plant is located :

180,000

23. List all other problems regarding manufacturing or obtaining materials, not mentioned before :

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12. The following materials were requested and allocated during period January - July 1948 as per table:

	NH3 (Kg's)		Ice Machine Oil(Litres)		CaCl2 (Kg's)	
Month	Requested	Allocated	Requested	Allocated	Requested	Allocated
1	750	300	240	252	0	0
2	750	300	240	243	0	0
3	1000	400	240	251	0	0
4	2000	1100	680	460	40,000	35,000
5	2000	1100	680	177	10,000	6,000
6	2000	1100	680	434	20,000	10,000
7	1500	500	400	855	0	0
TOTAL	10,000	4800	3160	2672	70,000	51,000

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Quantity of materials required or applied for and amount received are as follows :-

Material	Period	Quantity Applied or For	Quantity Received
Ammonia (from July, 1947 to June, 1948		27,000 Kg.	655 Kg.
Ice machine oil	- Do-	9,520 liter	2736 liter
CaCl2	- Do-	229 ton	229 ton
Iron & steel	- Do-	43.9 ton	1.5 ton
Cement	- Do-	3,500 Kg.	150 Kg.
Carbite	- Do-	6,500 Kg.	225 Kg.

Other necessary materials, not shown above, are not allocated at all, therefore, this hampering our production desire. Working-dress 160 suit and rubber soled tabi (sock) are required, besides, additional allocation of main food and other materials required for the labor are desired.

24. List all shortages of power & materials are now existing or liable to develop in near future, and what you are about it :

(a) Power :

We are being allocated quarterly a fixed amount of power by applying to Commerce and Industry Dept. by way of Agriculture & Forestry Dept. We are now being allocated by category b, 1 for which we are applying to the authorities concerned to be altered to a. I.

(b) Materials:

(a) Ammonia
(b) Ice machine oil
(c) Iron & steel
(d) Carbide

For the above-mentioned materials, we apply to Transportation Bureau of Agricultural & Forestry Dept. for allocation, besides, we apply for special allocation in case we are short of them. To get materials after given the quarterly allocation is very hard for us at present. We are trying very hard to get these materials by telling them our situation.

(c) CaCl2(Calcium Chloride)

We can get this by free sale from producer. But, as it usually takes a long time for price negotiation, therefore, we are forced to buy it at higher price.

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25. Are you aware of channels of appeal when shortages, delay in receipt, or refusals, prevent or retard your production effort ;

Yes, we know it.

26. How old is your plant equipment ?

27 year and 9 month.

27. Do you lose much time from mechanical break down ?

We are losing much time because it takes a long time to repair the plant due to the shortage of repairing materials.

28. Are present power allocations enough to permit maximum ice production. List by month from Jan. to June with attendant shortages per month.

Not enough, and the shortage of power since Jan. this year are as follows:-

Month	Shortage of power
Jan.	56,800 KWH
Feb.	32,550 "
Mar.	79,800 "
Apr.	37,000 "
May	43,000 "
June	60,400 "

29. Has any disparity existed in distribution of critical materials such as ammonia, ice machine oil etc. Did each plant get its share on schedule ;

No disparity has existed, but we have been allocated much less than totals applied for.

30. Do you have sufficient materials on hand, or promised to permit full scale ice production June through October. If power is available.

Not sufficient materials on hand. We can not promise to permit full scale ice production unless we are given the materials for which we have applied.

31. What percent of ice production goes for fish, hospitals, occupation forces use ;

Total May Production	For fishery use	Re-ice	General
5,328 ton	3,005 ton 57%	2,230 ton 42%	93 ton 1%

32. Does ice, or cold storage plant have procurement demand number - if so give number ;

Not applicable.

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33. Who is the largest single consumer of ice produced in your plant (give name of company) :

Nichiro Fishing Co., Ltd. ------ 13%

34. Has any expansion or additions to plant been made in the last year, or now being built or planned - if so, give full details:

We did not make any expansion or addition to our plant except some repair works during last year.

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Name of Plant : Nippon Cold Storage Co., Ltd. Honmura Plant.

Location : 365 Shimmoda, Hikoshima, Shimonoseki

Output from June to November in 1947:

Month	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Output(ton)	5.064	4.662	3.906	4.282	5.086	4.713	3.860

The scheduled output of the period from Jan. to Dec. 1948 (figures from Jan. to June showing the actual output):

Month	Jan.	Feb.	Mar.	Apr.	May	June	July
Output(ton)	4.167	3.771	-----	626	5.582	5.340	6.820

Month	Aug.	Sept.	Oct.	Nov.	Dec.
Output(ton)	6.820	6.600	6.820	6.600	6.820

To attain the scheduled output above, shortages of materials as listed below during period from July to September this year exist.

Month	Freezing machine oil	Machine oil	Liquid ammonia	Electric power
July	100 litre	150 litre	-----	28,000 kw
Aug.	100 "	150 "	1,000 kg.	25,000 "
Sept.	100 "	150 "	1,000	19,100 "
TOTAL	300 litre	450 litre	2,000 kg	72,600 kw

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1. Name of Plant : Nippon Reizo Kabushiki Kaishe Shimonoseki Kojyo.

2. Location : 57 Imaura-cho, Shimonoseki City

3. Capacity :

(1) Type of Plant : Horizontal Single Cylinder Double Acting
Closed Type - 2

- Ditto - 1

Vertical Double Cylinder Single Acting
Closed Type - 1

(2) Type of System : (a) Ice making: Ammonia Direct Expansion Type.

(b) Cold Storage : - Ditto -

(3) Rating of refrigeration machines (tons of refrigeration per 24 hrs.) With statement of pressure and temperature range.

Ice-making : Freezing tons 118.2 x 2 : 236.4 tons

Cold storage : Cold storage 37.7 x 1 : 37.7 "
89.3 X 1 : 89.3 "

Pressure & Temperature Range

Type of Plant	Delivery Pressure	Suction pressure	Temperature
Ice-making	13 - 15 Kg/cm2	1-1.4 Kg/cm2	-5'c to - 10'c
Cold storage	"	0.5-0.8Kg/cm2	-10'c to -15'c
Freezing	"	0.2-0.5 Kg/cm2	-25'c to -30'c

4. Ice making capacity per 24 hours : 115 tons

5. Ice storage space cubic feet : 136,241 cft.

6. How many tons of ice will storage space hold : 2,012 tons.

7. How much ice is in storage now (tons) : 37 tons as at July 1, 1948.

8. Cold storage spaces cubic feet or cubic meters. Freezing spaces cubic feet or cubic meters:

Cold storage : 63,730 cft.

Freezing space : 8,962 cft.

9. Type of storage carried: Ammonia Direct Expansion Type.

10. Brine solution used : CaCl2

11. Average quantity used per year (tons) : Cacl2 : 37 tons (July '47 to June '48)

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12. Ice machine oil litre used per year : 2,374 litres.

13. Ammonia (NH3) kilograms used per year : 7,130 Kg.

14. Total demand or receiving capacity in K.W. of ice making plant :

Total demand ---------- 1,949,500 KWH
Receiving Capacity ---- 2,300,000 "

15. Total demand or receiving capacity in K.W. of cold storage plant:

Total demand ---------- 128,800 KWH .
Receiving capacity ---- 200,000 "

16. Is your present output of ice more than demand for ice?

It is being balanced.

17. Are surpluses going in to reserve?

Yes, it is reserved.

18. Is ice storage space adequate?

Yes, it is adequate.

19. Is plant operating 24 hours per day (if not why?) :

Operating 24 hours per day.

20. Are you forced to supplement official allocations of ammonia, ice machine oil etc., from other sources? Can it be obtained that way?

1. Yes, we are forced to.

2. There is no other way than to buy from blackmarket.

21. How do you sell ice?

Wholesale & retail.

22. Population of town or city in which ice plant is located:

Shimonoseki : 180,000.

23. List all other problems regarding manufacturing or obtaining materials, not mentioned before :

It is as follows :-

Products	Term	Quantity
Manufactured ice	July '47 to June '48	21,741 tons
Cold storage kept (total tons)	"	77,034 " - Fish
Stored ice (total tons)	"	110,884 "

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Material	Period	Applied For	Allocation Received
Ammonia	July '47 to June '48	16,000 Kg	4,550 Kg
Ice machine oil	"	7,700 Ltr.	2,080 Ltr.
CaCl2	"	37 Ton	37 Ton
Iron Steel	"	7.6"	4.3 "
Cement	"	4,000 Kg.	700 Kg.
Carbide	"	8,000 Kg.	225 Kg.

Because there is no allocation for personal equipment production is being hampered as a result.

Overall 80
Rubber-soled sock -- 80 pairs
The increased allocation of the staple food etc.

For those things necessary for labour's we are trying to get allocations approved.

24. List of all shortage of power and materials now existing or liable to develop in near future, and what you are about it:

(1) Power:

By applying to the Commerce and Industry Bureau through the Ministry of Agriculture & Forestry every quarter of a year, we are getting a certain limit.

The category of demand is (b) of A at present but we are applying for the alteration of it into (a) of A.
We are petitioning on every application for increased regulated quantity.

(2) Material: Ammonia, ice machine oil, iron steel, carbide.

1. Besides that we applied for increased allocation to the Ministry of Agriculture and Forestry and Ministry of Transportation. We asked for special allocations to make up for materials short on original request.

(3) Lime Chloride : CaC/2

This is obtained on free sale and therefore we buy from every plant of production but we are compelled to buy this at a high price because our receiving is delayed due to the relation of prices.

25. Are you aware of channels of appeal when shortages, delay in receipt, or refusals, prevent or retard your production effort?

1. We apply for the materials by reporting the real circumstances to the allocation governmental authorities.

2. We apply to the Yamaguchi Military Government Team through the Fishery Section of the Yamaguchi Prefectural Government.

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26. How old is your plant equipment?

Seventeen years and four months (established in February, 1931):

27. Do you lose much time from mechanical breakdown?

We lose much time from it. (For delay of repair of the breakdown, it is so, too.)

28. Are present power allocations enough to permit maximum ice production? List by month from January to June with attendant shortage per month:

We have no enought power. Shortage per month as follows:-

January----------	105,702	KW.
February----------	23,350	"
March----------	8,200	"
April----------	53,800	"
May----------	113,900	"
June----------	89,600	"

29. Has any disparity existed in distribution of critical materials such as ammonia, ice machine oil, etc.?

1. There is no disparity in allocation.
2. The allocation is less than the application.

30. Do you have sufficient materials on hand, or promised to permit full scale ice production June through October, if power is available?

1. There is not enough material on hand.
2. It is expected to be possible to make ice up to May output if power is available by getting the allocation for which applied.

31. What percent of ice production goes for fish, hospital, occupation forces use?

Output	Total June ice production for fishery use	For general use
1,968 ton	1,627 ton or 83%	341 ton or 17%

32. Does ice, cold storage plant procurement demand umber - if so, give No.:

None.

33. Who is the largest single consumer of ice production in your plant:

Nichiro Fishing Co., Ltd ----------13%

34. Has any expansion of additions to plant been made in the last year, or now being built or planned - if so, give full details:

No

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Name of Plant: Nippon Cold Storage Co., Ltd., Shimonoseki Plant.

Location : 57 Imaura-cho, Shimonoseki.

Output from June to November in 1947:

Month	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton):	2.935	1,892	1,514	1,265	1,571	2,368	2,716

The scheduled output of the period from Jan. to Dec. 1948 (figures from Jan. to June showing the actual output) :

Month	Jan.	Feb.	Mar.	Apr.	May	June	July
Output (ton):	2,850	307	358	2,183	2,725	1,987	3,100

Month	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton):	3,100	3,000	3,100	3,000	3,100

To attain the scheduled output above, shortages of materials as listed below in the period from July to September this year. exist.

Month	Freezing machine oil	Machine Oil	Liquid ammonia	Electric power
July	160 litre	100 litre	200 Kg.	14,000 KW.
Aug.	160 "	100 "	500 "	11,500 "
Sept.	160 "	100 "	1,000 "	10,900 "
TOTAL	480 Litre	300 Litre	1,700 Kg.	36,400 KW.

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TABLE OF REQUESTED AND ALLOCATED MATERIALS
NIPPON COLD STORAGE CO. - SHIMONOSEKI PLANT
(Jan-July 1948)

MONTH	NH3 Kgs REQUESTED	NH3 Kgs ALLOCATED	Ice Mach Oil (Ltrs) REQUESTED	Ice Mach Oil (Ltrs) ALLOCATED	CaCl2 Kgs REQUESTED	CaCl2 Kgs ALLOCATED
Jan	1000	200	270	166	0	0
Feb	1500	200	270	195	0	0
Mar	1500	300	270	203	15,000	12,000
April	2500	700	600	113	0	0
May	2500	700	600	186	0	0
June	3000	900	600	370	10,500	0
July	1000	300	400	775	0	0
TOTAL	13,000	33,00	3010	2008	25,500	12,000

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1. Name of Plant : Kwansan Ice Making & Freezing Co., Ltd.

2. Location : 1 Hikoshima, Shimonoseki.

3. Capacity :

(1) Type of Plant : Vertical Double Cylinder Single Acting Closed Type Ammonia Compressor ---------- 3

(2) Type of System: Ice-making : Brine Cooler System.
Ammonia Coil System.

Freezer : Direct Expansion Type.

(3) Rating of refrigerating machines (tons of refrigeration per 24 hours) with statement of pressure & temperature range :

Description of Plant	Tons of Refrigeration Per 24 hours	Pressure		Temperature
		Delivery	Suction	
10"x10"x30 NH3 Compressor 1	64 ton	12½ Kg/Cm2	1.8 Kg/Cm2	-5°c to -15°c
7.5"x7.5"x360 "	I 29.8 "	"	"	"
" "	I 29.8 "	"	"	"
Total	123.6 ton			

4. Ice-making capacity per 24 hours : 50 ton

5. Ice storage space : 108 cubic feet

6. How many tons of ice will storage space hold : 270 ton

7. How many tons of ice is in storage now : 40 ton as at 1st July, 250 ton as of 23 July

8. Cold storage space : 118 cubic feet

9. Type of storage carried : Fish ---------- 95%
Fruit & Vegetables 5%

10. Brine solution used : CaCl2

11. Average quantity used per year : CACl2 ------ 48 tons

12. Ice machine oil. Liters used per year : 3,240 litres.

13. Ammonia (NH3) kilograms used per year : 2,400 Kg.

14. Total demand or receiving capacity in KW of ice-making plant :

Total demand : 120,000 KWH.
Receiving capacity : 130,000 "

180 KW

15. Total demand or receiving capacity in K.W. of cold storage plant :

Total demand : 20,000 KWH
Receiving capacity: 25,000 "

20

} 200 KW

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16. Is your present output of ice more than demand for ice;

Demand is more than our output.

17. Are surpluses going into reserve ?

Surpluses produced over demand are being store in reserve

18. Is ice storage space adequate ?

No, it is necessary for us to have 1000 tons' capacity.

19. Is plant operating 24 hours per day (if not why) :

Yes.

20. Are you forced to supplement official allocations of ammonia, ice machine oil, etc., from other sources? Can it be obtained that way ?

We are being allocated 70% of ammonia and 30% of ice machine oil required. Therefore, we are forced to get them at the black-marketeers, but it recently became almost impossible to find them out.

21. How do you sell ice ?

Sell it wholesale only

22. Population of town or city in which ice plant is located :

Population of Shimonoseki : 180,000

23. List all other problems regarding manufacturing or obtaining materials, not mentioned before :

We are desirous of having the under-mentioned materials necessary for expanding our ice storage capacity as shown on item No. 8 of this report. Expansion is being planned for using the existing cold storage space by connecting it with the former.

Name of material	Quantity
Ammonia pipe	5 ton
Cement	7 "
Angle	2 "
Cork board	1,000 sheet
Plank	50 Nos

24. List all shortage of power & materials now existing or liable to develop in near future, and what you are about it :

As for powers, we are trying to do our best to rationalize its consumption, besides, we are applying to the government for the increased distribution. And, as to the materials, we are economizing the use of them as best as we can, besides, we are applying to the authorities concerned for the increase of its allocation.

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25. Are you aware of channels of appeal when shortages, delay in receipt, or refusals, prevent or retard your production effort :

26. We are not aware of it.

26. How old is your plant equipment :

12 years

27. Do you loose mughtime from mechanical break down ?

We do not loose much time, because we usually have minor mechanical break down only once or twice a month.

28. Are present power allocation enough to permit maximum ice production. List by month from Jan. to June with attendant shortage per month. :

As our plant has been under repair-work during June this year, we have not been short of power.

29. Has any disparity existed in distribution of critical material such as ammonia, ice machine oil, etc. Did each plant get its share on schedule :

Quantity of ice machine oil and ammonia allocated has been less than the total requested. Besides, it takes along time for us to procure these materials after we are given the coupons.

30. Do you have sufficient materials on hand, or promissed to permit full scale ice production June through October. If power is available.

We are short of materials as stated below:-

Name of Materials	Quantity
a. Freezing machine oil	120 liter per month
b. CaCl2	10 ton
c. Ice-can	100 piece

If above-stated quantity of shortages are fully supplied, and also power is available, we shall be able to promise under-mentioned ice production.

June - Sept. 90% of capacity

Oct. - Dec. 100% " "

31. What percent of ice production goes for fish, hospitals, and occupation forces use :

Comparison of parcentage of total ice production in May '48.

99.7% or 580 tons for fishery use
0.3% or 3 tons for general use (including hospital use)
Total 100% or 583 tons

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32. Does ice, or cold storage plant have procurement demand number - if so give number :

32. None.

33. Who is the largest single consumer of ice produced in your plant (give name of consumer):

Junyo Marine Products Co., Ltd.----------30%

34. Has any expansion or additions to plant have been made in the last year, or now being or planned - if so, give full detail :

Our plant suffered damages by tempest and flood occured Sept. 1940. Since then the plant has been under repair work, and it recently has resumed the former condition. However, some expansion or reformation are required for the ice storage space, and equipment for crushing and loading ice, etc.

May reached 50 ton capacity
May reached 7.33

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Name of plant : Kwannon Ice making & Cold Storage Co., Ltd

Location : 1 Nikoshima-machi, Shimonoseki

Output from June to November in 1947:

Month	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton) :	124	147	128	114	441	582	963

The scheduled output of the period from Jan. to Dec. 1948 (figures from Jan. to June showing the actual output):

Month	Jan.	Feb.	Mar.	Apr.	May	June	July
Output (ton) :	305	268	243	200	521	665	1,350

Month	Aug.	Sept.	Oct.	Nov.	Dec.
Output (ton) :	1,350	1,350	1,500	1,500	1,500

To attain the scheduled output above shortages of things stated below during period from July to September this year exist.

Month	Freezing machine oil	Machine oil	Liquid ammonia	Electric power
July	270 litre	60 litre	200 Kg.	8,000 KW.
Aug.	270 "	60 "	200 "	12,000 "
Sept.	270 "	60 "	200 "	7,000 "
TOTAL	810 Litre	180 Litre	600 Kg.	27,000 KW.

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REQUESTED AND ALLOCATED MATERIALS
KANDOM I. M. PLANT JAN-JULY '48

Month	NHS (Kg's)		Ice Machine Oil (Litres)		CaCl2 (Kg's)	
	Requested	Allocated	Requested	Allocated	Requested	Allocated
Jan	500	60	396	36	3000	0
Feb	500	60	414	31	3000	0
Mar	500	80	432	31	4000	0
April	650	100	42	74	6600	10000
May	650	100	42	90	6600	0
June	700	100	42	54	6800	0
July	700	100	360	173	3330	0
TOTAL	4.200	600	1.728	489	33.330	10.000

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1. Name of Plant : Kawai Ice Manufacturing Co. Shimonoseki Factory.

2. Location : 2333 Kamishinchi-machi, Shimonoseki City

3. Capacity :

(a) Type of Plant : Vertical Single Acting Double Cylinder
Closed Type ---------- 4

Horizontal Double Acting Single Cylinder
Closed Type ---------- 1

(b) Type of System : Ice-making & Brine Cooler.

Cold storage - Ammonia Direct Expansion Type.

(c) Rating of refrigerating machines (tons of refrigeration per 24 hours) with statement of temperature & pressure range:

Type of plant	Tons of refrigeration per 24 hours	Number of plant	Remarks
8" x 16" X 1	20 ton	I	Being tied up owing to disorder.
7½" x 7½" x 2	20 "	I	"
6½" x 6½" x 2	12 "	I	
6" x 6" x 2	12 "	I	
5" x 5" x 2	10"	1	
Total	74 ton	5	
	- 40 ton	2	Being tied up owing to disorder.
	34 ton	3	Actual operation.

Pressure & Temperature Range

Kind	Delivery pressure	Suction pressure	Temperature
Ice-making	150-200 lbs /inch 2	10-25 lbs/inch2	15°F - 18°F
Cold storage	150-180 "/ "	5-10 " /"	25°F - 30°F

4. Ice-making capacity per 24 hours.

10 tons (at work)
7 " (now stop)
17 tons (total)

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5. Ice storage space cubic feet : 47,800 cfit.

6. How many tons of ice will storage space hold:

600 tons (use)
400 " (not use at present)
1000 tons

7. How much ice is in storage now (tons) : 7 tons

8. Cold storage space cubic feet or cubic metres : No space.

9. Type of storage carried : We have no cold storage space.

10. Brine solution used: CaCl2

11. Brine solution average quantity used per year (tons) : 5 tons (in solid)

12. Ice machine oil litres used per year : 1,080 litres

13. Ammonia (NH3) kilograms used per year : 1,800 Kg.

14. Total demand or receiving capacity in K.W. of ice-making plant:

Demand----------50 K.W. Used
Receiving capacity----------80 K.W. Total

15. Total demand or receiving capacity in K.W. of cold storage plant:

Demand---------- 10 K.W.H.
Receiving capacity------- 10 K.W.H.

16. Is your present output of ice more than demand for ice?

No, present output is 60% of demand.

17. Are surpluses going in to reserve?

There are no surpluses.

18. Is ice storage space adequate?

60% of ice storage is adequate.

19. Is plant operating 24 hours per day?

No, because supply of power is not sufficient.

20. Are you forced to supplement official allocations of ammonia, ice machine oil, etc. from other sources? Can it be obtained that way?

Can't get these materials except through official allocations and it is not sufficient to support full-scale production.

21. How do you sell ice?

Wholesale----------80% - 1220 yeh per ton
Retail----------20% - 11 yen kan.

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22. Population of town or city in which ice plant is located :

Shimonoseki City - 176,666 (as of Oct 1947)

23. List of all other problems regarding manufacturing or obtaining materials not mentioned before :

Steel pipe ---------- 5 tons
We need these metal materials. Owing to shortage of water (for cool), machine cannot give full ability.

25. Are you aware of channels of appeal when shortages, delay in receipt, or refusals, prevent or retard your production effort?

We don't know.

26. How old is your plant equipment : 27 years old (established 1920).

27. Do you lose much time from mechanical breakdown?

Difficulty in procurement of replacement parts and shortage of power, it takes from 30 to 60 days to repair.

28. Are present power allocations enough to permit maximum ice production?

Not enough.

LIST BY MONTH FROM JAN TO JUNE WITH ATTENDANT SHORTAGE PER MONTH

The damage of machines followed from Jan. and precision not clear.

29. Has any disparity existed in distribution of critical materials such as ammonia, ice machine oil, etc.?

No disparity has existed.

Did each plant get its share on schedule :

No and this is the cause of decreased production with attendant shortages of power.

30. Do you have sufficient materials on hand, or promised to permit full scale ice production June through October, if power is available?

No, materials on hand will not permit full scale production.

31. What percent of ice production goes for fish, hospital, occupation forces use?

May :	45% for fishing boat 16% for vessels other than fishing boat. 39% for general use	June :	4% for fishing boat 31% for vessels other than fishing boat. 65% for general use.

32. Does ice, or cold storage plant procurement demand number, if so give number:

None.

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33. Who is the largest single consumer of ice production in your plant (give name of Co.) ;

Kanmon Shipping Co.

34. Has any expansion or additions to plant been made in the last year, or now being built or planned - if so, give full detail:

As one of the ammonia-compressors was old, we replaced it with new one at the beginning of this year (1948), but the machine has been broken down owing to the shortage of ice machine oil and is being repaired.

The existing electric line was not a special one. Therefore, power has stopped sometimes with the general line shutdowns.

We are applying to the authorities concerned for installations of special line for our plant.

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O P

Name of Plant: Kawai Ice Manufacturing Co., Shimonoseki Factory

Location: 2333 Kamishinchi-machi Shimonoseki

Outrut of Ice
(From June 1947 to Nov 1947)

Month	June	July	Aug.	Sept.	Oct.	Nov.	Dec
Output (ton)	200	180	162	174	226	122	12

Estimated Production
From Jan 1948 to Dec 1948

Month	Jan	Feb	Mar	Apr	May	June
Output (ton)	99	111	242	340	171	36

Month	July	Aug	Sept	Oct	Nov	Dec
Output (ton)	280	300	300	300	200	100

Estimated Shortage of Materials to Carry Out Production
Schedule - July-Sept 1948

Month	Ice Machine Oil	Machine Oil	Ammonia	Power
July	60 litre	36 litre	100 kg	5,000 kw
Aug	60 "	36 "	100 "	5,000 "
Sept	60 "	36 "	100 "	5,000 "
TOTAL	180 litre	108 litre	300 kg	15,000 kw

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Report concerning Restoration Works for our 7-ton Ice Making Plant

Name of Plant : Kawai Ice Manufacturing Co., Shimonoseki Plant.
Location : 2333-3 Nemishinchi-machi, Shimonoseki City.

1. Necessary Materials :

Name of Materials	Quantity	Amount (Yen)
Steel pipe 1¼"	2,000 feet (2,500 Kg.)	¥75,000.
Ice can (300 lbs)	130 cans	390,000.
Calcium Chloride	5 tons	100,000.
Ammonia	500 Kg.	35,000.
Electric motor 25 H.P.	I	50,000.
General expenses required for construction		200,000.
	TOTAL--------	¥850,000.

2. The reason why operation has been stopped :

Formerly, there were many pools near about our factory, and we could get much water to cool ammonia, but later, owing to the change of the condition of the ground, it has become very hard for us to get enough water to cool. With a view to make use of the underground water, we sank some wells, but we couldn't get sufficient water as we expected because of the ground proved to be the alluvial formation.

Therefore, we gave up the idea of operation of it, and few years later, the equipment of the plant were decayed. Since then, owing to the shortage of repairing materials to be used in this plant, we applied the materials of our No. 2 plant in Fukuoka to it. Even at this time, operation was 3 months during the summer season only.

And, as our plant was located so far from the fishing port, we had to pay extra transportation expense for that, thus resulting in a blow to our finance.

3. The wish about removement of factory :

For the reason mentioned above, we can't operate the machines at present, we wish to remove the plant anywhere near fishing port so as to be able to execute our duty and also to carry on the complete undertaking. Now, we are seeking suitable place to remove.

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MATERIALS, ALLOCATIONS & REQUESTS
KAWAI I.M. PLANT - JAN-JULY 1948

MONTH	NH3 Kgs REQUESTED	NH3 Kgs ALLOCATED	Ice Mach Oil (Ltrs) REQUESTED	Ice Mach Oil (Ltrs) ALLOCATED	CaCl2 Kgs REQUESTED	CaCl2 Kgs ALLOCATED
Jan	250	200	54	10		
Feb	250	200	54	23	4900	4900
Mar	250	300	54	19		
April	250	90	66	39		
May	300	90	66	50		
June	300	95	66	54	3000	2450
July	150	95	90	135		
TOTAL	1750	1070	450	330	7900	7350

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YAMAGUCHI PREFECTURE
Materials and Power Consumption Tables

Month	NH3 (Kg's)	1947 Ice Machine Oil (Litres)	CaCl2 (Kg's)	
Jan.	3,560	1,150	19,790	
Feb.	2,480	920	15,800	
Mar.	3,010	970	16,730	
Apr.	10,000	1,921	2,000	
May	10,000	2,342	62,000	
June	12,550	3,930	50,000	
July	4,000	4,105	50,000	
Aug.	3,500	6,180	83,800	
Sept.	3,500	6,037	40,880	
Oct.	3,300	1,360	0	
Nov.	3,300	1,275	0	
Dec.	3,300	1,440	7,000	
TOTAL	62,860	31,680	348,000	

Power Used 1947 (KWH)

Jan.	628,200	May	1,596,000	Sept.	1,650,000	
Feb.	541,600	June	1,560,000	Oct.	2,064,000	
Mar.	531,000	July	1,644,000	Nov.	1,998,000	
Apr.	1,542,000	Aug.	1,668,000	Dec.	2,064,000	

TOTAL 17,446,800

Month	NH3 (Kg's)	1948 Ice Machine Oil (Litres)	CaCl2 (Kg's)	
Jan.	2,645	1,520	22,000	Actual
Feb.	2,920	1,580	26,600	Actual
Mar.	3,840	1,530	47,000	Actual
Apr.	5,040	2,692	50,300	Actual
May	5,435	2,560	86,600	Actual
June	6,300			
July	3,845	5,460	56,800	Estimated
Aug.	8,100	5,470	58,400	Estimated
Sept.	8,500	4,960	56,400	Estimated
Oct.	7,200	4,710	54,400	Estimated
Nov.	6,900	4,420	52,400	Estimated
Dec.	6,200	3,640	48,400	Estimated
TOTAL	66,925	40,992	635,300	

Power Used 1948 (KWH)

Jan.	974,100	July	2,091,700	)
Feb.	1,156,000	Aug.	2,095,800	)
Mar.	1,227,600	Sept.	2,072,600	)-Estimated
Apr.	1,766,300	Oct.	2,048,800	)
May	2,170,000	Nov.	2,048,800	)
June	2,118,200	Dec.	1,988,500	)

TOTAL 21,758,400

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ICE PRODUCTION TOTALS FOR YAMAGUCHI PREFECTURE

MONTH	1947 PRODUCTION (TONS)	MONTH	1948 PRODUCTION (TONS)	
January	9,330	January	11,460)	
February	7,170	February	13,600)	
March	12,150	March	15,030)	
April	16,550	April	20,780)	--Actual
May	18,940	May	25,530)	
June	19,280	June	24,920)	
			Total	111,320
July	16,160	July	29,000)	
August	16,570	August	28,800)	
September	17,350	September	27,600)	
October	20,220	October	27,600)	--Estimated
November	20,000	November	27,300)	
December	15,900	December	26,100)	
			Total	166,400
TOTAL	189,620	TOTAL	277,720	

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COMPARATIVE TABLE FOR ESTIMATED, REQUESTED AND ALLOCATED MATERIALS APRIL-JUNE 1945 FOR YAMAGUCHI PREFECTURE

Month	Scheduled Production	Actually Produced	Estimated NH3(Kg's)	NH3(Kg's) Requested	Allocated NH3 for Use (Kg's)	Estimated Ice Machine Oil (Litres)
April	24,850	20,780	6,640	132.15	5,040	4,560
May	27,300	25,530	6,645	132.65	5,435	4,510
June	27,540	27,540	7,010	143.70	6,300	4,850
TOTAL	79,690	71,230	20,295	41,850	16,775	13,920

Month	Ice Machine Oil Requested (Litres)	Ice Machine Oil Received (Litres)	Estimated CaCl2 (Kg's)	Requested CaCl2 (Kg's)	Received CaCl2 (Kg's)
April	8192	2400	59,300	92,820	76,000
May	8416	2692	53,400	65,470	50,300
June	7998	2560	53,900	91,710	86,600
TOTAL	24,606	7,652	166,600	250,000	212,900

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STATISTICS OF DEMAND & SUPPLY OF ICE
(From July 1, 1947 to June 30, 1948)

Name of plant : Shimonoseki No. I Refrigerating Plant of Taiyo Fishing Co., Ltd.
Location : I-4198 Oimachi, Hikoshima, Shimonoseki.

Month	Output	For Fishery Use	DESCRIPTION: Re-ice	General Use	Total	Stocks on hand	
July '47	4,370 ton	3,597 ton	239.5ton	0	3,836.5 ton	1,167 ton	(633.5 tons being carried forward from June)
Aug.	2,605 "	2,232 "	255 "	276 ton	2,763 "	1,009 "	
Sept.	2,559.5"	2,737 "	602 "	116.2 "	3,455.2 "	113.3"	
Oct.	3,917 "	4,013.3"	13 "	0	4,026.3	4 "	
Nov.	3,954.5"	3,458 "	105 "	188 "	3,751 "	207.5"	
Dec.	3,634.5"	2,889 "	87 "	99 "	3,075 "	765 "	
TOTAL	21,038.5"	18,926.3"	1,301.5"	679.2 "	20,907 "	131.5"	
Jan. '48	3,315.5ton	2,803 ton	0	27 ton	2,830 ton	1,250.5 ton	
Feb.	3,004 "	2,008 "	100.5ton	29 "	2,137.5 "	2,117 "	
Mar.	3,388 "	3,513.5"	82.5 "	47 "	3,643 "	1,862 "	
Apr.	2,502 "	3,166.5"	156.5 "	122 "	3,445 "	919 "	
May	3,502 "	3,859 "	6.5 "	56 "	3,921.5 "	499.5 "	
June	3,094.5	3,410.5	0.5 "	51.3	3,462.3	131.7	30th June
TOTAL	18,806 "	18,760.5"	346.5	332.3"	19,439.3 "		
Grand Total	39,844.5"	37,686.8"	1,648 "	1,011.5"	40,346.3 "		

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STATISTICS OF DEMAND & SUPPLY OF ICE
(From July 1, 1947 to June 30, 1948)

Name of Plant : No. 2 Refrigeration Plant of Taiyo -Fishing Co., Ltd.
Location : 19 Yamato-cho, Shimonoseki City

Month	Output	For fishery use	Re-ice	General Use	Total	Stocks on hand
July '47.	3,947.8 ton	3,504 ton	441 ton	42.5 ton	3,987.5ton	197 ton (276.7 tons being carried forwarded from June).
Aug. "	3,239.4 "	2,709.2 "	263.6 "	187.5 "	3,160.3	276.1 ton
Sept. "	3,612.9	3,494.3	350.8	16.9	3,862	27
Oct. "	4,939	4,860.5	92	3.5	4,956	10
Nov. "	6,118	5,148	975	5.	6,128	0
Dec. "	6,594	5,074	408	2	5,484	1,050
Total	21,351.1 ton	24,790 ton	2,590.4 ton	257.4 ton	27,577.8 ton	
Jan. '48	6,048	3,091	542	3	3,636	3,462
Feb. "	3,427	3,912.5	588	10.5	4,511	2,378
Mar. "	5,867.5	4,918	877.5	20	5,805.5	2,440
Apr. "	9,022.5	8,500	990.5	8 (5)	9,498.5	1,964
May "	9,142	8,681.5	1,715.5	127 (77)	10,524	582
June "	7,557.5	5,893	1,376.3	128.2(64.5)	7,397.5	742
Total	41,064.5 ton	34,986 ton	6,089.8 ton	296.7 ton	41,372.5 ton	
Grand Total	69,415.6 ton	59,776 ton	8,620.2 ton	554.1 ton	68,950.3 ton	

NOTE: Figures in () show the quantity of ice for Occupation Forces

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STATISTICS OF DEMAND & SUPPLY OF ICE
(From July 1, 1947 to June 30, 1948)

Name of Plant : Kwannon Ice Making & Cold Storage Co., Ltd.
Location : Hikoshima-machi, Shimonoseki

Month	Output	For Fishery Use	Re-ice	General Use	Total	Stocks on Hand
July '47	147 ton	123.7 ton		12.3 ton	136 ton	0 (1st July)
Aug. "	128 "	111 "		28 "	139 "	11 ton
Sept. "	114 "	58 "		35 "	93 "	21 "
Oct. "	441 "	323.7 "		6.3 "	330 "	132 "
Nov. "	582 "	618 "		2 "	620 "	94 "
Dec. "	363 "	454.5 "		2.5 "	457 "	0 "
Total	1,775 "	1,688.9 "		86.1 "	1,775 "	
Jan. '48	305 "	230 "		1 "	231 "	74 "
Feb. "	268 "	322.5 "		0.5 "	323 "	19 "
Mar. "	243 "	230.5		0.5	234 "	28 "
Apr. "	200 "	206. "		2 "	208 "	20 "
May "	521 "	508.5 "		2.5 "	511 "	30 "
June "	665 "	650 "		5 "	655 "	40
Total	2,202 "	2,150.5 "		11.5 "	2,162 "	
GRAND TOTAL	3,977 ton	3,839.4 ton		97.6 ton	3,937 ton	

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STATISTICS OF DEMAND & SUPPLY OF ICE
(From July 1, 1947 to June 30, 1948)

Name of Plant : Kawai Ice Making Shimonoseki Plant

Location: Kamishinchi-machi, Shimonoseki

Month	Produced	Occupation Force Use	Hospital	For Fishery Use	General Use	Total
July '47	180	None	49 ton	247 ton	Reserve 84 ton	570 380 ton
Aug. "	162	"	79 "	286 "	75 "	440 "
Sept. "	174	"	26 "	130 "	64	220 "
Oct. "	226	"	4 "	24	62	90 "
Nov. "	122	"	9	49	23	81 "
Dec. "	12	"	8	41	30	79 "
Jan. '48	99	None	5	26	19	50 "
Feb. "	111	"	7	32	33	72 "
Mar. "	242	"	8	45	27	80 "
Apr. "	340	"	16	56	53	125 "
May "	172	"	30	87	183	300 "
June "	96	"	51	144	105	300 "
TOTAL	1,875		292 ton	1,167 ton	758 ton	2,217 ton

Loss - melting, etc. 93 tons
Total in reserve 1 July 1948 - 7 tons

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INDEX OF ICE PLANTS LOCATED IN YAMAGUCHI PREFECTURE

Shimonoseki Area

Name of Plant	Name of Representative	Location
1. Nippon Cold Storage Co.,Chimonoseki Plant	Hideo Oshio	57 Imaura - cho, Shimonoseki
2. Nippon Cold Storage Co.,Hiekoshima,Homura Pl	Yurio Murata	965 Shimonota-Hiekoshima, Shimonoseki
3. #1 Refrigerating Pl of Taiyo Fishing Co. Ltd.	Katsumi Oguna	1-4198 Hiekoshima machi, Shimonoseki
4. Shimonoseki #2 Refrigerating Pl of Taiyo Fishing Co., Ltd.	Harumi Soyima	19 Yamato-cho, Shimonoseki
5. Kamson Ice Making & Cold Storage Co.Ltd.	Seii Kusunose	1 Hiekoshima-machi, Shimonoseki
6. Kawai Ice Making Co.,Shimonoseki Pl	Hiroji Kawai	Kamishinchi-machi, Shimonoseki
7. Shimonoseki Marine Product Selling Co.Ltd.	Sadakichi Yoshinaga	7-81 Kannonzaki-cho, Shimonoseki

Hagi Area

Name of Plant		
8. Hagi Marine Product Refrigerating & Ice Making Plant of Fishery Association of Yamaguchi Prefecture	Seiji Okayama	Hamasaki-cho, Hagi
9. Ice Manufacturing Plant of Hagi City	Shigeo Tsumiya	1-137 Hamasaki-machi, Hagi
10. Ice Making Pl of Nako Fishery Association	Kiyoguma Ono	2747 Nako-machi, Obu-gun
11. Nippon Cold Storage Co, Hagi Plant	Fukusuke Sasai	3035 Tsubakito, Hagi
12. Ice Making & Cold Storage Pl of Senzaki-machi Fishery Association	Toraichi Nishimura	2016 Minami-machi,Senjaki-machi,Osu-gun
13. Nippon Cold Storage Co Senjaki Pl	Shozo Nakano	1682 Minamibara Senzaki Otsu-gun
14. Ogushi I.M.Pl of Fishery Association of Yamaguchi Prefecture	Yusuke Hironaga	Nakakoji, Kogushi-machi, Toyoura-gun
15. Suetake Pl of Matsubara, I.M.	Kuranosuke Matsubara	Hirata, Shitenatsu City
16. Ube United I.M. Association	Shigenosuke Yoshimatsu	7-chome, Kaigan-dori, Higashi-ku,Ube
17. Bocho Marine Product Co., Ltd.	Iwao Kamatani	Tokonami, Nishikiwaku, Ube
18. Tsunemiya I.M.Pl	Shizuji Tsuneshige	1149 Ozuki-machi, Shimonoseki
19. Ogori I.M.Co.Ltd.	Yasuji Veda	Shimogo Ogori-machi, Yamaguchi
20. Yamaguchi I.M.&Cold Storage Co.	Hikosaburo Ariyoshi	Shimmichi, Yamaguchi
21. Tsunoda I.M.Pl	Yoshiichi Tsunoda	513 Kamiunorei, Yamaguchi
22. Suyo I.M. Pl	Kamaichi Sajika	81 Mitajiri, Bofu
23. Tokuyama I.M.Co.Ltd.	Yutaka Motomura	Kaisaku-cho Kguchi, Tokuyama
24. Onoda Provision Industry Co.Ltd.	Hirosuke Shimizu	Nishimohama, Minato-machi Onoda
25. Sanwa I.M.Co.Ltd.	Yoshisuke Somaki	2553 Yanai, Yanai-machi,Kuka-gun
26. Ohata I.M. and Cold Storage Co.Ltd.	Kiyoshi Takao	Ohata Kojiro-mura, Kuka-gun
27. Asahi I.M. Plant	Yutaka Motomura	Mitajiri, Bofu
28. Kawashita I.M.Co.Ltd	Tatsu Ryuzaki	85 Makaizu, Iwakuni
29. Morishige I.M.Pl	Bobukichi Morishige	3278 Nishikimi, Iwakuni

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INDEX OF ICE PLANTS LOCATED IN YAMAGUCHI PREFECTURE CONT'D

Name of Plant	Name of Representative	Location
Cont'd		
30. Hippatsu Industry Co.Ltd.	Torao Kuniyoshi	3-chome, Kaigandori, Higashi-ku,Ube
31. Hofu Plant of Kyowa Industry Co.Ltd.	Hiroshi Watanabe	1835 Mitojiri-mura, Hofu
32. Murai I.M. and Cold Storage	Junro Murai	547 Yokohama, Tokuyama,Tokuyama City
33. Asa Metamorphosis Pl of Nippon Chemical Co.Ltd.	Shotaro Gensho	Asa-machi, Asa-gun
34. Maruuchi Marine Industry Co.,Ltd	Fumeijiro Maruda	2-6036 Aio-machi, Yoshiki-gun
35. Ube Marine Food Co.Ltd.	Motosuke Yanagiya	2-chome Kaigandori, Ube
36. Fish Receiving Association of Nishiichi Area	Toyosuke Kimoto	Nishiichi-machi, Toyoura-gun

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DEMAND AND SUPPLY OF ICE BY NIPPON COLD STORAGE LTD
HONMURA PLANT (Metric Tons)

1947 MONTH	PRODUCED	SHIPPED	PURCHASED	TOTAL	FOR FISHING	RE-ICING
July	4662			4662	3105	722
August	3906	1		3907	1872	566
September	4282	191	12	4485	4120	195
October	5086	513		5599	4577	1000
November	4713	595		5308	3778	1525
December	4860	40		4900	2826	1011
TOTAL	27509	1340	12		20278	5019
1948						
January	4166			4166	1374	1048
February	3771			3771	2166	1446
March		333	828	828	1890	1787
April	626	60	1025	1984	494	1573
May	5582			5642	3174	2424
June	5340		23	5363	2923	2230
Total	19,485	393	1876		12021	10508
Grand Total	46,994	1733	1888		32299	15527

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(Continued)

1947

MONTH	TRANSFERRED (TONS)	TOTAL	LOSS FROM MELTING	BALANCE OF ICE IN RESERVE
July		4254		531
August	72	4167		271
September		4736		20
October		5601		18
November		5321		5
December		3847		1050
TOTAL	72	27,926		

1948

January		2432		2792
February		3623		2910
March		3690		98
April		2079		3
May		5628		17
June		5257		123
TOTAL		22,709	70	
GRAND TOTAL		50,635	70	146 tons

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DEMAND AND SUPPLY OF ICE BY NIPPON COLD STORAGE PLANT LTD
(SHIMONOSEKI)
Period 1 July 1947 - June 1948 (Metric Tons)

MONTH	OUTPUT	TRANSFERRED FROM) HONMURA PLANT)	purchased	(AVAILABLE FOR (DISTRIBUTION	% ALLOCATED FOR FISHING	% TO OCCUPATION FORCES USE
1947						
July	1891		44	1935	847 tons	105 tons
August	1514	72 tons	12	1598	43	101
September	1265		292	1557	724	95
October	1571		1873	3444	2806	61
November	2368		1097	3465	2738	19
December	2716		58	2773	2201	21
	11,325	72	3376	14,772	9359	402
1948						
January	2850			2850	1450	7
February	307			307	1350	
March	358			358	869	
April	2183			2183	1789	
May	2725			2725	2474	
June	1987	5	0	1992	1627	
Total	10,410	77	0	10,415	9559	7
Grand Total	21,735	77	3376	25,187	18,918	409

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Cont'd - 1947

MONTH	GENERAL USE	SHIPPED TO BRANCH PLANT	TOTAL	ICE STORAGE BALANCE ON HAND
July	852		1804	290
August	1583	1	1728	160
September	638	191	1648	69
October	127	513	3507	6
November	86	595	3543	33
December	84	40	2346	460
Total	3370	1340	14576	
January	51		1508	1802
February	62		1412	697
March	101		970	85
April	138	333	2260	8
May	187	60	2742	13
June	341		1968	37
Total	880	393	10860	
GRAND TOTAL	4250	1733	25436	

37 tons reserve as of July 1948.

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	Ice Making Capacity (tons per 24 hrs)	Ice Storage Space (cubage)	Ice in Storage (tons)	Tons per Day Now Making (Inspection Date)	Cold Storage Space (cubage)
1.	115	136,241 cu ft	37 - 1 Jul	95	Cold Storage 63,730 cu ft Freezing 8,982 "
2.	220	239,314 cu ft	150 - 7 Jul	170	0
3.	180	4,879 cu mtrs	211 - 1 Jul	106	7,146 cu mtrs
4.	340	146,880 cu ft	843 - 1 Jul	300	10,2255.95 cu ft
5.	50	108 cu ft	40 - 1 Jul	40	118 cu ft
6.	10	47,800 cu ft	7 - 1 Jul	6	0
7.	0	0	0 "	0	1,690
8.	10	20 cu tsubo	0 "	3	58 cu tsubo
9.	20	180 cu tsubo	182 "	16	21.7 cu tsubo
10.	3	17.22 cu tsubo	63 "	1	0
11.	8	600 cu ft	0 "	3	0
12.	3	960 cu ft	0 "	0	0
13.	15	125 cu tsubo	86	15 - 1 Jul	57 cu tsubo
14.	5	67 cu tsubo	20	4 "	0
15.	12	4500 cu ft	0	0-X "	0
16.	5	1500 cu ft	50	4 "	0
17.	0	0	0	0 "	38 cu tsubo
18.	5	24 cu mtrs	61	2½ "	0
19.	8	30 cu mtrs	2	5 "	5 cu tsubo

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20.	7.5	15 cu tsubo	100	5	"	0
21.	3	1400 cu ft	10	2	"	0
22.	9½	48 cu tsubo	50	7	"	0
23.	5	400 cu ft	0	3	"	0
24.	0	0	0	0	"	7,280 cu ft
25.	5	36 cu tsubo	0	1½	"	0
26.	8	600 cu ft	15	6	"	0
27.	20	14 cu tsubo	40	15	1 Jul	0
28.	8	66 cu tsubo	120	8	"	0
29.	5	750 cu ft	2	3½	"	0
30.	10	15 cu tsubo	0	4	"	98 cu tsubo
31.	10	300 cu mtrs	100	2½	"	1500 cu mtrs
32.	10	24 cu tsubo	40	8	"	0
33.	5	1200 cu ft	1	1	"	0
34.	3	1800 cu ft	10	2	"	20 cu tsubo
35.	0	0	0	0	"	1000 cu ft
36.	5	67 cu tsubo	160	4	"	0
Total	1,143		2,143	843		

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COPY

5-1-Y

August 25, 1948

To: Sgt Broadstreet
CIC, Military Gov't Team
Yamaguchi, Honshu

SUBJECT: Report on Association Relating To Fishing Industry in Shimonoseki

Sir:

Would you be kind enough to excuse my delay in making above subject report, for I have been obliged to draw it up besides my daily work and, what is more, I have felt much inconvenience in making it because of my lack of qualification.

(1) Nature, function, and jurisdiction of the Government offices concerned relating to fishing industry at present as well as nature of business of the associations except those of marine foodstuff industry, are as shown on the attached report, by which, I am sure, you will be able to understand the character of the association's business and their relation with the authorities concerned.

(2) However, most of the associations are, in conformity with the Enterprisers Organization Law, based on GHQ, SCAP's directive, which was put in practice on the 29th July 1948 with a view to root out money-making act and non-democratic elements which have been existed in the business of associations, decided to be reorganized, combined, or dissolved within one month from the date on which the said law has been enforced. Associations are now preparing for their new start, therefore, considerable alteration will be taken place in near future in both their name and business, of which I shall be very glad to inform you at a proper time.

(3) To summarize the jurisdiction of government offices concerned, the distinction among them is as follows. Therefore, knowing this, you will be able to find out how to investigate and where refer to in future in case you want to have further explanation or data.

(8)

#8

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Note: (a) Marine Products Promoting Association and Japan Mackerel Purse-seine Association are social organization of voluntarily association form which have no competent office and which require no materials.

(b) Fishery Sec. Yamaguchi Pref. Gov't. Controlls, from administrative view point, over coastwise licence-system fishing in whole Yamaguchi Pref. area such as near sea purse-seine net, coastwise trawler, trap-net, and stationary - net fishing and fish transportation between coastwise fishing grounds and landing ports, and over rationing of fish or shell fish to Yamaguchi Pref. area within the quota designated by Minister of Agriculture & Forestry Dept. It has no function to controls the matter described on (c) of this note.

(c) Fishery Board, which was seceded from the Dept. of Norinsho on the 1st July 1948, directly control, from administrative view point, over trawling business in Japan, and over collection and shipping of fresh fish or shell fish at A class landing ports and that of dried, salted, and smoked fish or shell fish at A class producing districts. It also supervises the distribution of the said fish to whole Japan in accordance with the distribution plan designated by the Minister of Norinsho in cooperation with Consignore Cooperation Associations at every place of shipment.

(d) Norinsho controls over the allocation of all kind of fishing material including link materials and incentive goods thru its department the Material Adjustment Office being located in each Prefecture.
Among link-system materials, wire rope, Manila rope (including similar kind of rope), and hemp twine for trawling use are directly allocated to each trawling enterprizers.

Yours truly,
TAIYO FISHING Co., LTD
Foreign Affairs Section

/t/ M. N o r i t o m i
Manager
/s/ M. Noritomi

C O P Y

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(b) Number of fishing boat: (as at Aug 1, 1948)

Trawler	38	
Two-boat trawler	367	
Fish transporter	169	
Purse-seiner fishing boat	50	
Coastwise fishing boat	1,015	(Powered ship 285) (Non-powered ship 730)
Total	1,639	

(c) Number of employees: (As at Aug 1. 1948)

(1) concerning deep-sea, transportation, and purse-seine. (As at Aug 1, 1948)

Sea-duty employees	8,254
Land-duty employees	2,836
Total	11,090

(2) Coastwise fisherman 3,900
Sum Total 14,990

(d) Amount of catch of late years:

1945	2,923,436 Kan
1946	7,630,326.56 Kan
1947	19,670,221 Kan
1948, Jan - Jul	17,390,954 Kan

Note: A kan is eqivalent to 8 1/3 lbs

(e) Monthly average of catch per trawler

Trawler	15,557 Kan
Two-boat Trawlers	15,274 kan

(f) Number of vessel and tonnage belongs to each fishing enterprizer: (As at Aug 1, 1948)

As shown on the attached paper.

3. Equipment pertaining to marine production:

(a) Water supply equipment	2	(arrangement for three more facilities are being made)
Oil-supply	2	
Wireless facilities	1	(500 KW medium wave)
Fish-box mfg	8	(monthly output of 350,000 boxes

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Number & Tonnage of Fishing Boat
As at Aug 1, 1948

Investigated by Taiyo Fishing Co,Ltd

Name of Owner	Coastwise Two-boat trawler Number of Ship	Coastwise Two-boat trawler Tonnage	Two-boat Trawler Number of Ship	Two-boat Trawler Tonnage	Otter trawler Number of ship	Otter trawler Tonnage	Purse-seine fishing boat Number of Ship	Purse-seine fishing boat Tonnage	Fish transport Number of ship	Fish transport Tonnage
Taiyo Gyogyo			82	6,278.49T	22	7,407.56T	12	299.95T	46	2,518.2[illegible]
Koyo Gyogyo			26	2,070.10						
Nitto Gyogyo			23	2,202.22						
Nichiro GyoGyo			18	1,365.12	10	3,483.11				
Nippon Suisan			11	831.04	1	234.67	4	78.88		
Kyokuyo Nigei			10	846.28	2	582.88				
Nichibei Suisan			10	964.56	3	1,086.48				
Katae Kaiyo Gyosendan			14	776.73						
Toa Kaiyo Gyogyo			6	401.94						
Mitsuwa Kaiyo Gyosendan			6	293.95						
Nasu Shoten	4	109.82	6	311.06			6	105.48	5	215.97
Inouye Gumi	2	57.84	6	453.43			4	97.74	6	159.21
Nagi Kisen Sokobikiami Gyogyo Kidan			8	344.10						

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Name of Owner	Coastwise Two-boat trawler Number of ship	Tonnage	Two-boat Trawler Number of ship	Tonnage	Otter trawler Number of ship	Tonnage	Purse-seine Fishing boat Number of ship	Tonnage	Fish Transport Number of ship	Tonnage
Toa Kaiyo Gyosendan			4	266.54T						
Tottori Suisan			4	372.48						
Ishihara Sakae			4	303.68			2	37.35T	1	16.63T
Suisan Shinko Kai			4	332.72					1	19.63
Yamato Gyogyo-bu			4	209.50					1	19.74
Teisei Suisan			6	508.90			2	37.86	3	66.67
Ichikawa Gyogyo-bu			4	328.36						
Funaki Shoten			5	205.30						
Shimane Suisan			6	377.26						
Nichiseki Gyogyodan			4	248.22						
Nagato Gyogyo			4	303.20						
Kyodo Suisan			3	280.20						
Taihei Gyogyo			3	165.01						
Kanpeku Gyosenden			4	155.18						
Junyo Suisan			4	299.14					3	58.12
Bofu Suisan			3	215.54						
Taiheiyo Gyogyo			2	162.52			2	32.32		
Shima Suisan			2	163.62						
Nakanishi Gyogyo-bu			2	186.74						
Nippon Gyogyo			2	114.90						

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Name of Associations Under the Jurisdiction of Respective Offices

Fishery Sec. Yamaguchi Prefectural Government	Fishery Board	Transportation Department	Agriculture & Forestry Dept.	Remark
Shimonoseki East Sea Motor-ship Trawlers Association	Japan Pelagic Trawlers Society			
Yamaguchi Pref. Purse-seine Association	Consignors Co-operation Association			
West Japan Marine Products Transportation Association	Shimonoseki Freezing Marine Products Society	- Ditto - (For certain) kind of materials only	To deal with all kinds of fishing materials including certain kind of refrigerating materials	
Shimonoseki Fishery Association				
Yamaguchi Pref. Combined Fresh Fish Rec. Association			No materials are required	
Shimonoseki Marine Products Rec. Association			- Ditto -	
Shimonoseki Central Market			- Ditto -	
Shimonoseki Whale Rec. Association			- Ditto -	

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1. Equipment of Shimonoseki Fishing Port:

(a) Harbor Construction:

Started works on March 1913 and completed it on June 1942.

Total acreage of reclaimed land: 60,571 tsubo
Fishing port area : 25,546 tsubo

(b) Inner harbor:

Water area	390,000 square mtr.
Depth of water	5 - 7 mtr.
Length of pier	2,650 mtr.
Landing pier	1,140 mtr.
Preparatory pier	510 mtr.

(c) Sluice:

Length	60 mtr.
Width	8.5 mtr
Depth	3 mtr

Canal:

Length	870 mtr
Width	30 mtr
Depth	3 mtr

(d) Equipments on land:

Fish market	4,673	square mtr
Landing shed	2,786	square mtr
Preparatery shed	1,050	square mtr
Store-room	39,689	square mtr
Boat-train line	3,500	mtr. (total length)

2. Fishing Situation:

(a) Number of fishing enterprises: (As at Aug 1, 1948)

Deep-sea fishing	67
Purse-seine fishing	23
Fish transportation	72
Total	162

Note: Details are shown on the attached paper.

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Name of Owner	Coastwise Two-boat trawler Number of ship	Tonnage	Two-boat Trawler Number of Ship	Tonnage	Otter trawler Number of Ship	Tonnage	Purse-seine Fishing boat Number of Ship	Tonnage	Fish Transport Number of Ship	Tonnage
Shoichi Kawamoto			2	86.76T			2	39.12T		
Okada Suisan			2	151.60						
Fuyu Suisan			2	197.08						
Suzuki Gyogyo-bu			2	123.86						
[redacted]hosei Suisan			2	124.34			2	26.63		
Hachiro Tsumoki			2	64.28						
Sosuke Okada			2	80.66						
Chidori Suisan			2	72.26						
Tomoichi Motoyoshi			2	129.53						
Otsu-gun Suisan Shinkokai			2	97.88						
Takayoshi Suisan			2	130.86						
Kanzo Hamada			2	167.42						
[redacted]aikyo Enyo Gyogyo			2	171.42						
[redacted]iroshima Takuyo Suisan			2	123.42						
Jinzo Okada			2	154.70						
Yoshizo Murotani			2	129.17						
Mineji Ise			2	180.47						
Ogaki Shiriko Gyogyo-dan			2	122.74						
Sanyo Suisan			2	100.92						

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Name of owner	Coastwise Two-Boat trawler Number of ship	Tonnage	Two-boat Trawler Number of ship	Tonnage	Otter trawler Number of ship	Tonnage	Purse-seine fishing boat Number of ship	Tonnage	Fish transport Number of ship	Tonnage
Hamada Gyogyo-bu			2	199.66T						
Yoshiwaka Gomoto			2	119.48						
Fuso Gyogyó-bu			2	99.49						
Engan Sokobiki			2	72.14						
Fukui Enyo Gyogyo			2	151.60						
Seikai Gumi			1	69.48						
Gyoro Kyodo Kumiai			2	89.91						
Zaiichiro Mure			2	158.12						
Chozo Wada			2	122.00						
Taihei Suisan			2	199.66						
Ikkai Wada			2	90.98						
Eikyo Suisan			2	103.16						
Taikai Kaiyo			2	97.88						
Kyotoku Suisan			2	160.48						
Toho Suisan			2	89.78						
Others (a)	2	39.90T					14	279.96T	64	1,555.79T
Others (b)									39	926.49
Total	8	207.56T	367	26,521.13T	38	12,794.21	20	1,035.34T	169	4,556.44T

Note: 39 fish transporters, shown in others (b) have their ports to registration outside of Shimonoseki.

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List of Ratio of Fish Caught by Respective Fishing

For the Year of 1946

Month	Two-Boat trawler Quantity (Kan)	Ratio (%)	Trawler Quantity (Kan)	Ratio (%)	Total Ratio (%)	Coastwise Trawler Quantity (Kan)	Ratio (%)	Fish Transporter Quantity (Kan)	Ratio (%)	Others Quantity (Kan)	Ratio (%)	Total Catch (Kan)
[illegible]n	171,918	61	61,606	22	83%	3,036	1	41,396	15			277,931
Feb	219,178	52	65,242	14	65	2,016	0.4	121,604	29	8,761.79	2	416,797.79
Mar	208,549	52	86,070	22	74	3,932	0.7	77,117	17	18,333.27	4	394,011.27
Apr	332,4925	41	112,034	15	56	15,862	2	283,187	37	7,949	0.8	752,529.5
May	281,613	69	74,966	17	84	16,317	4	31,356	8	10,756	2	412,008
Jun	441,708	77	75,774	13	90	14,386	2	22,180	4	19,671	3	573,919
Jul	439,333	73	105,659	18	91	13,519	2	7,031	1	29,328	5	584,910
Aug	266,968	70	47,213	12	82	8,006	2	62,411	16	4,381	1	388,989
Sep	251,285	64	76,324	19	83	15,395	3	47,200	12	2,381	0.5	392,586
Oct	499,662	51	104,428	14	63	29,217	3	161,491	20	9,402	1	804,200
Nov	914,545	85	122,754	10	94	35,446	2	312,183	22	24,363	1	1,409,191
Dec	919,982	75	120,228	9	84	15,305	1	137,327	11	31,012	2	1,223,854
Total	1,932,1285	64	1,049,698	16	80	172,537	2	1,304,463	16	106,588.06	2	7,630,326.35

For the Year of 1947

Jan	782,587	77	161,193	15	92	7,733	0.7	107,074	10	6,234	0.6	1,064,821
Feb	851,050	67	215,275	17	84	21,289	1.6	157,869	12	5,673	0.4	1,251,176

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Month	Two-Boat trawler Quantity (Kan)	Ratio (%)	Trawler Quantity (Kan)	Ratio (%)	Total Ratio (%)	Coastwise Trawler Quantity (Kan)	Ratio (%)	Fish Transporter Quantity (Kan)	Ratio (%)	Others Quantity (Kan)	Ratio (%)	Total Catch (kan)
Mar	1,150,633	64	310,679	16	80	11,993	0.5	315,897	15	5,333	0.2	1,794,535
Apr	1,396,243	74	341,082	18	92	15,409	0.7	114,872	6	19,779	1	1,887,385
May	1,645,773	77	322,609	14	91	24,172	1	141,816	6	9,162	0.4	2,145,532
Jun	1,500,37?	79	258,650	14	93	21,449	1	80,104	4	11,311	0.6	1,871,891
Jul	1,143,308	77	283,336	19	96	12,884	0.8	8,805	0.5	15,179	1	1,463,512
Aug	627,055	78	109,161	13	91	3,676	0.4	40,748	5	14,659	2	795,2??
Sep	261,610	61	75,754	17	78	18,870	3	41,416	8	26,654	6	424,304
Oct	879,985	78	188,898	15	93	36,741	3	119,203	9	15,101	1	1,239,928
Nov	1,961,923	64	525,417	17	81	25,876	0.8	520,129	16	19,098	6	3,052,445
Dec	1,856,609	51	882,369	24	75	40,458	1	294,037	11	5,920	2	2,679,393
Total	14,051,153	71	3,222,423	17	88	240,552	1.2	1,941,990	9	154,103	1.8	19,670,221
For the Year of 1948												
Jan	1,353,701	89	47,602	3	92	20,083	1	97,427	6.4	5,911	0.3	1,506,724
Feb	1,713,718	62	592,862	22	84	25,550	0.8	418,176	15	3,258	0.1	2,753,?
Mar	1,802,439	62	772,067	27	89	18,810	0.6	292,807	18	11,698	0.3	2,892,8?
Apr	2,143,858	74	395,308	14	88	26,557	0.8	317,165	11	10,043	0.3	2,898,931
May	2,620,830	70	639,089	17	87	24,084	0.6	427,560	11	13,793	0.3	3,725,356
Jun	1,956,452	77	380,932	15	92	25,104	0.9	125,933	5	35,138	1	2,523,559
Jul	855,203	79	167,828	10	89	4,218	0.4	36,008	3	9,762	0.8	1,073,019
Total	2,454201	74	2,995,688	15	89	144,406	0.2	1,215,026	10	89,583	0.5	12,398,954

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I. Government Offices Relating to Fishery:

Name and Address of Office	Function of Office	Remark
(1) Fishery Board, Shimonoseki Branch (Suisan Cho, Shimmonoseki Shutchokyo).	a. To instruct, supervise, and encourage the collection and the shipment of fresh marine products at A class fish landing ports and A class producing districts, designated by the Minister of Agriculture & Forestry Department of Japan, in Hiroshima, Shimane, Yamaguchi, and whole Kyushu districts.	Two officers are being despatched at every prefecture concerned. 1. A class fresh fish landing port in Jurisdiction (17) Shimane Prefecture Hamada, Matsue, Saigo (Iki Island) Yamaguchi Prefecture Senzaki, Hagi, Shimonoseki Nagasaki Prefecture Nagasaki, Sasebo Fukuoka Prefecture Fukuoka, Tobata Saga Prefecture Karatsu, Imari Miyazaki Prefecture Aburatsu Kagoshima Prefecture Makurazaki, Yamakawa, Kushikino, Kagoshima
	b. To carry out the Fresh Fish Shipping Plan of A class designated fish landing ports monthly directed by the Minister of Agriculture & Forestry Department of Japan in cooperation with Consignors Cooperation Associations or Fresh Fish Councils at said ports which are being composed of the representatives of the fishing enterprisers there.	
	c. To gather reference datas for the said plan of the following month and report it to Fishery Board	2. A class producing districts a. Dried sardine: Hiroshima, Yamaguchi, Saga, Nagasaki, Oita, Miyazaki.
	d. To issue shipping certificate for the fresh marine	

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Name and Address of Office	Function of Office	Remark
	products discharged at the said ports and shipped from there in conformity with Staple Materials Transportation Regulation.	b. Dried cuttle-fish: Nagasaki c. Fishmeal (for food): Nagasaki d. Isinglass: Shimane, Yamaguchi, Fukuoka, Nagasaki, Oita, Kumamoto, Miyazaki.
(2) Shimonoseki Branch, Yamaguchi Material Adjustment Office of Agriculture & Forestry Department of Japan (Norinsho Shizaki Chosei Jimusho Shimonoseki Shutcho jo) Yamato-cho, Shimonoseki, c/o Fishing Port Bldg.	a. To allocate materials relating to fishery and food stuff industry to each association concerned. b. To gather accurate data, thru each association, for link materials, insentive goods, and general ration, and report them to the Department by way of Yamaguchi Office. c. To issue Shipping Certificate, in accordance with Staple Materials Transportation Regulation, required for transporting materials in connection with fishery and food stuff industry which have been allocated.	Each consultative Committee is composed of the representatives of enterprizers & associations and of learned or experienced man. Marker receive materials from the Department by presenting the coupon of allocation entrusted by orderer - the enterprizers who have been allocated the materials. The said certificate is necessary when the maker ship manufactured goods to the orderer.

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Name and Address of Office	Function of Office	Remark
(3) Fishery Research Society, Shimonoseki Branch (Suisan Kenkyo Kai) Yamato-cho, Shimonoseki c/o Fishing Port Bldg.	To investigate and study on fish caught in the East China Sea, such as species, kinds, breeding condition, reproduction, etc.	
(4) Fishery Department of Yamaguchi Prefectural Government, Shimonoseki Branch (Yamaguchi-ken Suisan-ka, Shimonoseki Shutcho-jo)	a. To instruct and supervise the collection of marine products, which come from various quarters in Yamaguchi Prefecture, caught by coastwise fishermen, and the planned shipment of them to Yamaguchi Prefecture including Shimonoseki City. b. To instruct the marine products Receiving & Shipping Agency who concern themselves in allocation of them to whole Yamaguchi Prefecture.	

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1. Fishery & Fish Transportation:

(1) Name & Address of Association:

Shimonoseki Marine Products Promotion Association
(Shimonoseki Suisan Shinko Kyokai).
30 Yamato-cho, Shimonoseki City.
c/o Fishing Port Building.

Nature of Business:

1. To decide and express an opinion concerning the improvement and the development of fishing industry as a whole.

2. To connect with the government offices or other organizations concerned relating to fishing industry.

3. To equip facilities required for the improvement of fishing industry.

4. To investigate and study on fishing materials and technique concerning fishing industry, to draw up statistics, to collect datas, and to publish or report them.

5. To equip facilities necessary for promoting the fishing laborers' welfare and benefit, and the members' friendship and mutual enlightenment.

Remarks:

The Association is being composed of all kind of fishing enterprizers in Shimonoseki, and is a social organization to realize the opinion of the fishing industry circle, to protect and increase the interest of the enterprizers, to promote the fishing laborer's welfare, benefit, and culture, to expect sound development of fishing industry, thus contribute to their development of economic of Japan and also to democratize it. The association is equipped with 500 KW wireless apparatus exclusively used for receiving or transmitting wireless message to and from the fishing vessels belonging to the members.

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Entrance-fee (1) and Membership-fee (2):

(1)	(2) a	(2) b
Free of charge	Fixed amount fee	Ordinary fee per member
	¥3,000 - per year per member.	80 sen per big box 60 sen per small box 20 sen per box irrespective of size. This is a share for contribution to No. 2 Fishery Institute in Yoshimi, Yamaguchi Prefecture.
	For non-member	
	90 sen as above 70 sen as above 20 sen as above	
	Wireless rent	
	(1) ¥5,000.00 per subscriber (2) ¥1,500.00 per ship which equipped with radio apperatus.	
	Wireless fee: a 10 per cent discount of government charge.	

Competent Authorities:

No: Because of it being voluntary Association.

(2) Name and Address of Association:

Japan Pelagic Trawlers Society, Shimonoseki Branch (Nippon Enyo Sokobikiami Gyogyo Kyokai Shimonoseki Shibu).
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building.

Nature of Business:

1. To instruct enterprizers and study on trawling.

2. To connect with government offices or other organization concerned relating to trawling.

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3. To help trawling enterprizers for obtaining fishing materials, to draw up statistic and collect data concerning trawling.

Entrance-fee (1) and membership-fee (2):

(1) ¥500.00 per 1 ship of two-boat trawler.
¥1,000.00 per 1 trawler.

(2) ¥5,000.00 per 1 trawler per year
¥7,500.00 per 1 ship of two boat trawler 75 ton or more per year. (1st class)
¥6,500.00 (2nd class) 50 ton or more per year.
¥5,500.00 under 50 ton per year.

Remarks:

The Association is composed of trawling enterprizers (including two-boat trawler) performing their fishing in the west of 1st. 130 degree East, with 40 tons or more size ship. Name of enterprizers and number of ships belong to individuals are shown on the attached list. It has Headquarters in Tokyo and branches in Fukuoka, Karatsu (Saga Prefecture), Nagasaki, besides Shimonoseki.

Competent authorities:

(a) General Fishery Board (b) Materials: Agriculture & Forestry Department.

(3) Name and Address of Association:

Shimonoseki East Sea Motor Ship Trawlers Association
(Shimonoseki Ito Kisen Sokobikiami Kumiai).
30 Yamato-cho, Shimonoseki City,
c/o Fishing Port Building

Nature of Business:

1. To instruct enterprizer and study on coastwise trawling.

2. To help enterprizers for obtaining fishing materials.

3. To connect with the Government offices concerning the fishing.

4. To draw up statistics, to collect data concerning the fishing.

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Remarks

The Association is composed of three coastwise trawling enterprisers performing their fishing in the east of Lat. 130 degree East, with two-boat trawler of under 40 ton. The fishing area for them is limited only to the neighbouring waters of Yamaguchi and Shimane Prefectures.
The coastwise trawling has been recommended by the prefectural authorities concerned, just after the war when most of the big size trawlers had met with war havoc, who had schemed to catch as much fish as possible in order to meet the critical food situation at the time. But the number of ship has been decreasing and permission for fishing become invalid after 1950 on account of the reason that the coastwise trawling gives a heavy below to the ordinary near sea fishing and that the big size trawlers has restored its former state.

Entrance-fee (1) and membership-fee (2):

(1) None. (2) ¥10,000.00 per pair of ship per year.

Note: Business of Association is being transacted by the staffs of West Japan Marine Products Transporter Association.

Competent authorities:

a. General:

Fishery Section Yamaguchi Prefectural Government

b. Materials:

Agriculture and Forestry Department.

(4) Name and Address of Association:

Yamaguchi Prefecture Mackerel Purse-seine Association
(Yamaguchi-ken Saba Kinchaku-ami Kumiai)
30 Yamato-cho, YShimonoseki City
c/o Fishing Port Building

Nature of Business:

1. To improve the technique of the fishing.

2. To preserve and cultivate resources of the fish.

3. To draw up statistics and collect datas concerning the fishing.

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

4. To connect with the prefectural authorities concerned relating to the repair or preservance of the equipments owned or used by the member of association.

Remarks

The association is composed of mackerel and horse-mackerel fishing enterprizers who are authorized to fish them by this method of fishing in the near sea of Yamaguchi Prefecture. Type of fishing is divided into two, i.e. the one-hand purse-seine and the two hand.

Entrance-fee (1) and membership-fee (2):

(1) ¥10,000.00 per onehand or two-hand type

(2) ¥¥10,000.00 per one-hand or two-hand type per year.

Competent authorities:

(a) General:

Fishery Section, Yamaguchi Prefectural Government

(b) Materials:

Agriculture & Forestry Department.

(5) Name and Address of Association

Japan Mackerel Purse-seine Association
(Nippon Saba Kinchaku-ami Kumiai).
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business:

1. To investigate and study on purse-seine fishing.

2. To improve the technique of fishing.

3. To protect and increase interest of enterprizers as a whole.

4. To connect with central government concerning the fishing etc.

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Remarks:

The Association is an unified organ of purse-seine associations in Japan. It was established in May 1948.

Entrance-fee (1) and Membership-fee (2):

(1) ¥10,000.00 per one-hand or two-hand type

(2) ?

Competent authorities:

No: Voluntary association

(6) Name and Address of Association:

West Japan Marine Products Transporter Association
(Nishi Nippon Suisan butsu Unpansen Kumiai).
30 Yamato-cho, Shimonoseki city
c/o Fishing Port Building.

Nature of Business:

1. To control the collection and the shipping of fish.

2. To control and instruct fish transportation performed by the member of association.

3. To purchase and distribute fishing materials required in behalf of the member.

4. To connect with the prefectural authorities concerned relating to the repair of preservance of the equipments owned or used by the member of association.

Remark:

The Association is composed of the enterprizers who have their ship registration in Shimonoseki and transport from fishing grounds or from solitary islands in Yamaguchi area to Shimonoseki, and of those who have their ship registration in other prefecture, but their fishing operations are being performed in the area located closer Shimonoseki than their home port and, therefore, more convenient for them to discharge them at Shimonoseki.

Entrance-fee (1) and Membership-fee (2)

(1) ¥2,000.00 guarantee money

(2) ¥5,000.00 per ship per year.

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Competent authorities

(a) General

Fishery Section, Yamaguchi Prefectural Government

(b) Materials

Agriculture & Forestry Department.

(7) Name and Address of Associations

Yamaguchi Prefecture, Fishery Industry Association
(Yamaguchi Ken Suisangyokai).
30 Yamato-cho, Shimonoseki City,
c/o Fishing Port Building

Nature of Business

1. To instruct and encourage the coastal fishermen of Yamaguchi Prefecture thru local fishery association.

2. To connect with prefectural government office concerning the fishery in behalf of the member of association - the local association.

3. To help local association for obtaining fishing materials.

Remarks

It gains profit by doing under-mentioned business.

1. Charge for purchasing and mediationing fishing materials.

2. Charge for selling the members' fresh, dried, salted, and worked-up fish.

3. Banking business.

The association will be reorganized or dissolved in accordance with the Enterprizers Organization Law in recent futures.

Entrance fee (1) and Membership fee (2)

(1) None (2) None

Because the association is afford to pay its own expenses by doing aforesaid business.

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Competent Authorities:

(a) General

Fishery Section, Yamaguchi Prefectural Government.

(b) Material:

Agriculture & Forestry Department

(8) Name and Address of Association:

Shimonoseki Fishery Association (Shimonoseki Gyogyokai)
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business

1. To instruct and encourage the coastal fishermen of Shimonoseki district.

2. To connect with the Yamaguchi Fishery Industry Association or Prefectural Government office concerned relating to the near sea fishing in behalf of the fishermen.

3. To help fishermen for obtaining fishing materials.

Remark:

The association is composed of about 1200 coastal fishermen in Shimonoseki Area. It gains profits by performing under-mentioned business.

a. Charge for selling the members' fresh, dried, salted, and worked-up fish.

b. Charge for renting fishing right to member.

Entrance-fee (1) and Membership-fee (2)

(1) ¥30.00 per share, member shall have more than four (4) shares.

(2) In case the association cannot pay expenses by the profit stated above, it assess members for dues.

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Competent authorities:

(a) General

Fishery Section, Yamaguchi Prefectural Government.

(b) Materials:

Agriculture & Forestry Department.

(9) Name and Address of Association:

Yamaguchi Prefecture Marine Products Company LTD.
(Yamaguchi-ken Suisan K.K.)
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business:

1. To purchase fishing materials and incentive goods in the lump in behalf of the local fishery association and sell them to each association.

Remark:

The company was established in 1947 by the local fishery association as stockholders, with capital of ¥5,000,000.00

Entrance-fee (1) and Membership-fee (2).

(1) None (2) None

2. Shipping Agency:

(1) Name and Address of Agency:

Shimonoseki Consignors Cooperative Society
(Shimonoseki Nimushi Kyoryoku Kai).
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business:

1. To receive daily report from every association for the quantity of fish discharged at Shimonoseki.

2. To cooperate with Fishery Bureau, Shimonoseki Branch, for its fish rationing.

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3. To collect dates, by seperate fishing, concerning fish discharged at or shipped from Shimonoseki, and report them to both the Fishery Bureau, Shimonoseki Branch, and the Shimonoseki Branch of Material Adjustment office.

Remarks:

The association is the subsidiary organ of Shimonoseki Branch of Fishery Board for its fish rationing, and is composed of representatives of fishing enterprizes in Shimonoseki.

Entrance-fee (1) and Membership-fee (2):

(1) None. (2) Fixed fee: ¥5,000.00 per year per consignor.
Ordinary fee: 80 sen per big box
60 sen per small box.

Competent authorities: Fishery Board.

3. Receiving Agency:

(1) Name and Address of Agency:

Yamaguchi Prefecture Combined Fish Rec. Association
(Yamaguchi-ken Gogo Nioke Kumiai).
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building.

Nature of Business:

To receive fish rationed and to distribute them to receiving agency in Yamaguchi Prefecture except Shimonoseki.

Remark:

The association is an authorized organ to have the distributing function in accordance with the law concerning food control.

Commission: 3% of amount sold.

Competent Authorities: Yamaguchi Prefecture.

(2) Name and Address of Agency:

Shimonoseki Marine Products Receiving Association
(Shimonoseki Suisanbutsu Nioke Kumiai).

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

30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business:

To receive fish rationed and to distribute them to designated retail shops or processing plant in Shimonoseki.

Remarks

The association is an authorized organ to have the distributing function in accordance with the law concerning food control.

Commission: 3% of amount sold.

Competent authorities: Yamaguchi Prefecture.

(3) Name and Address of Agency:

Shimonoseki Central Market (Shimonoseki Chuo Ichiba).
30 Yamato-cho, Shimonoseki City
c/o Fishing Port Building

Nature of Business:

To receive fish rationed and to distribute them to designated retail shops or processing plant in Shimonoseki.

Remark:

The association is an authorized organ to have the distributing function in accordance with the law concerning food control.

Commission: 3% of amount sold.

Competent authorities: Yamaguchi Prefecture.
(Municipal operation.)

(4) Name and Address of Agency:

Shimonoseki Designated Marine Products Receiving Association (Shimonoseki Shitei Suisanbutsu Ukeire Kumiai).
Yamato-cho, Shimonoseki City

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

Nature of Business:

To receive dried, smoked, and salted fish and distribute them to designated retail shops in Shimonoseki.

Remark:

The Association is an authorized organ to have the distributing function in accordance with the law concerning food control. It has eleven (11) members as shareholder.

Commission: 5% of amount sold.

Competent authorities: Yamaguchi Prefecture.

(5) Name and Address of Association:

Shimonoseki Whale Receiving Association (Shimonoseki Kujira Niuke Kumiai)
171 Misakino-cho, Shimonoseki city

Nature of Business:

To receive whale and distribute it to designated whole sale or retail shops in Yamaguchi Prefecture.

Remark:

The association is an authorized organ to have the distributing function in accordance with the law concerning food control.

Commission: 3 % of amount sold.

Competent Authorities: Ysmaguchi Prefecture.

4. Ice-making and Freezing:

(1) Name and Address of Association:

Yamaguchi Prefecture Refrigerating Industry Association (Yamaguchi-ken Reitoso Kumiai).
57 Imaura-cho, Shimonoseki City
c/o Nippon Cold Storage Company.

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

Nature of Business:

1. To agree upon the selling price of ice.

2. To arbitrate or mediate business competition and dispute.

3. To help member for obtaining operating materials required.

Membership-fee (2) ¥6,000.00 per year per plant
¥3.00 per ton of ice.

Competent Authorities:

a. General: Yamaguchi Prefecture (Section of Commerce and Industry)

b. Materials: Agriculture and Forestry Department (For critical materials).
Transportation Department (For labor-demand and general use materials).

(2) Name and Address of Association:

Shimonoseki Freezing Marine Products Society
(Shimonoseki Reito Suisan Kyokai).
61 Takezaki-cho, Shimonoseki City
c/o Taiyo Fishing Company.

Nature of Business:

1. Business concerning the production, collection, and shipping of frozen marine products.

2. Examination of frozen goods produced.

3. Financial accommodation to the member of association.

4. To help the member for obtaining materials required.

5. Instruction, investigation and research concerning the freezing business.

Membership-fee:

1. ¥1,000.00 The plant equipped with 15 ton or more freezing capacity.
¥500.00 The plant equipped with less than 15 ton freezing capacity.

2. ¥10.00 per 10 Kan of production.

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

Compensation Expense: N200.00 per month per plant.
Competent authorities: Fishery Board.

3025

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

5-1-4

EMT/rk

HEADQUARTERS
YAMAGUCHI MILITARY GOVERNMENT TEAM
YAMAGUCHI, HONSHU, JAPAN
APO 317

24 August 1948

Serial No. 1204-B

SUBJECT: Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken

THRU: Commanding Officer, Chugoku Military Government Region, APO 317

TO: Price Control and Rationing Division, NRS, GHQ, SCAP, APO 500

1. Reference telephone message, originating in PC&R, SCAP, transmitted thru Capt. Edelen, CMGR, 19 August: "Why is the Norihsho official permitting Shimonoseki to continue to ship spoiled fish to consuming areas"?

2. The condition of fish arriving in and shipped from Shimonoseki has been investigated exhaustively since the inception of the current control program and the reasons therefore have been reported to higher headquarters and reiterated to inspecting officials therefrom at frequent intervals. For the purpose of simplification, they may be summed up categorically in the order of their occurrence as follows:

a. Exhaustion of the areas to which the trawling fleets are confined, which requires;

b. Trawlers to remain at sea extended periods in order to catch enough fish so that they may qualify for enough link fuel to perpetrate operations.

3. The extended stay at sea results in the deterioration of the state of freshness of the catch which is further enhanced by:

a. Lack of hull insulation in waters with temperature averages as follows:

(7)

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

Winter	14.2°C -----	57.5°F
Spring	15.8°C -----	60.4°F
Summer	25.3°C -----	77.5°F
Autumn	24.5°C -----	76.1°F

b. Lack of waterproof insulation to separate the tiers of fish boxes which subjects the lower fish to continual washing in water from melted ice.

4. The Bureau of Fisheries official at Shimonoseki receives from Tokyo the allocations for the major consuming areas and if the local representative of the receiving organ agrees, he issues a Transportation Certificate.

5. Recommendations:

a. Authorized fishing areas be extended.

b. Refrigerator boats tour the trawling area and pick up the catch and deliver it to Shimonoseki or the designated receiving area.

c. That legislation be enacted or an order issued limiting the stay at sea to a period insuring landing of fresh fish. This would require cancellation of the link-fuel system in that the size of the catch would not substantiate the fuel demand.

d. Allocate and require the use of insulation on hulls and engine-room bulkheads.

e. Allocate and require the use of water-proof sheeting between the tiers of fish boxes and limit the number of boxes per tier to three.

f. That Nagoya be designated as the most distant receiving area in order to reduce the time in transit by rail.

6. Attention is invited to inclosures 1 and 2 containing material on the subject obtained in conference between Fishery Officials and the Economics Officer, this Headquarters.

2 Incls
As indicated

Eugene J. McNamara
EUGENE J. McNAMARA
Lt. Col., Infantry
SMG

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

BASIC: Ltr, Hqs Yamaguchi MG Team, APO 317, Serial No.1204-B dtd 24 Aug 1948, subj: Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken

CMGR 430 (D-Ed) 1st Ind

Headquarters, Chugoku Military Government Region, APO 317, Kure, Honshu, 7 Sep 1948

1823

TO: Commanding General, Eighth Army, APO 343

1. Forwarded for your information, as requested by your headquarters (Mr. Hashitani, Price Control and Rationing).

2. On 9-13 August 1948, a thorough investigation of Shimonoseki port was conducted by EIB officials of Chugoku Region, accompanied by representatives of this headquarters. This inspection party stressed particularly those factors affecting preservation of fish.

3. As a result of the above-mentioned inspection, and in concurrence with par 5 subpar c of basic letter, the following recommendation is made:

Passage and enforcement of a regulation requiring all fishing vessels to return to port and unload their catch within a single designated period, determined by the length of/time each vessel is able to keep fish in a properly preserved condition. This would not necessarily mean cancellation of the entire link-fuel system. Rather, a change would be necessitated in order to allow fishing vessels to purchase about 30% of their fuel capacity (sufficient to permit a round-trip to and from fishing grounds) each trip, remainder of fuel would be allocated according to provisions of link system.

This headquarters is of the definite opinion that this recommendation is the single, important means of effecting immediate improvement in the quality of fresh fish delivered to consuming areas.

4. Concur with other recommendations made in par 5 of basic letter.

2 Incls:
n/c

RUSSELL C. SNYDER
Colonel, FA
Commanding

0513

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

GHQ, SCAP SEP 29 1948 AGO RECORDS 43/1

Ltr, Hq Yamaguchi Mil Govt Team, Serial No. 1204-B, subj: "Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken," dtd 24 August 1948.

AGMGEN 430 2nd Ind

Headquarters Eighth Army, APO 343

TO: Supreme Commander for the Allied Powers, APO 500
(Attn: Fisheries Division, NRS)

1. The basic communication indicates that the following percentages of spoiled fish were shipped from Shimonoseki Harbor to consuming areas:

May 1948: 9%
June " : 8%
July " : 2%

2. The main causes for spoilage are inadequate facilities on the fishing boats to insure adequate refrigeration and the great distances from the shipping point to consuming areas.

3. The recommendations contained in paragraph 3 of the preceding indorsement and paragraphs 5.d. and e. of the basic communication are approved.

4. It is requested that this headquarters be informed of any action taken on this matter.

8

FOR THE COMMANDING GENERAL:

2 Incls:
n/c

J. R. SCHAEER
Lt Col AGD
Asst Adj Gen

AG 431 (24 Aug 48)NR/Fi 3rd Ind

GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS, APO 500,
3 November 1948

TO: Commanding General, Eighth Army, APO 343

1. Reference letter from General Headquarters, Supreme Commander for the Allied Powers, AG 431 (24 Aug 48)NR/Fi, subj: Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken, 18 October 1948.

2. The Japanese Fisheries Agency, Ministry of Agriculture and Forestry

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

AG 431 (24 Aug 48)NR/Fi, 3rd Ind , 3 Nov 48,
Subj: Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken

has submitted a tentative plan to General Headquarters, Supreme Commander for the Allied Powers, for reducing the amount of spoiled fish being landed at some of the principal ports in Kyushu. This plan provided for:

a. Standards based on the following grades:

(1) Superior condition

5684

(2) Medium condition

(3) Inferior condition

b. Inspection of the catch by a team of four persons consisting of officials from the Regional Office, Ministry of Agriculture and Forestry, local shipping agencies, and fishing companies.

c. Issuance of certificates on the standards of the catch.

d. Utilization of link rates of fishing materials commensurate with the standards.

3. Subject plan is currently under discussion in General Headquarters, Supreme Commander for the Allied Powers. Improved insulation of fishing boats is also being considered. Information will be forwarded to ~~Eighth Army~~ X when a finalized plan is approved.

BY COMMAND OF GENERAL MacARTHUR:

2 Incls
n/c

J. F. Bradshaw

J. F. BRADSHAW
Major, AGD
Asst Adj Gen

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

1. ADJ
2. SMGO
3. RCI
4. LBR
5. LEG
6. ED
7. WELF
8. PH
9. INF
10. D.CO
11. FILE

17 NOV 1948

DEC 1 RECD

Ltr, Hq Yamaguchi Mil Govt Team, Serial No. 1204-B, subj: "Condition of Fish Shipped from Shimonoseki, Yamaguchi Ken," dtd 24 August 1948.

AGMGEN 430 4th Ind

Headquarters Eighth Army, APO 343

TO: Commanding Officer, Chugoku Military Government Region, APO 317

The letter referred to in paragraph 1 of the preceding indorsement was forwarded to your headquarters by 1st indorsement, this headquarters file AGMGEN 431, dated 4 November 1948.

8

BY COMMAND OF LIEUTENANT GENERAL WALKER:

2 Incls
n/c

for E. SCHOLER
Lt Col AGD
Asst Adj Gen

CMGR 430 (D-Ed) 5th Ind

Headquarters, Chugoku Military Government Region, APO 317, Kure, Honshu, 1 December 1948

TO: Commanding Officer, Yamaguchi Military Government Team, APO 317

Your attention is invited to 3rd and 4th indorsements.

BY ORDER OF COLONEL SNYDER:

2 Incls:
n/c

JERRY M. TOM
1st Lt, USAF
Adjutant

2818

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

PERCENTAGE OF SPOILED FISH SHIPPED OUT FROM SHIMONOSEKI

MAY 1948

Destination	No.of Freight Cars	No.of Freight Cars Containing Spoiled Fish	%	Amount of Fish (Kan)	Amount of Spoiled Fish (Kan)	%
Designated Consuming Area						
Tokyo	139	128	92	312750	125697	40
Yokohama	17	10	59	38250	4932	13
Nagoya	65	3	5	146250	1376	1
Osaka	151	38	25	339750	19254	6
Kobe	140	15	11	315000	3622	1
Hiroshima	73	56	77	164250	15782	10
Fukuoka	124	4	0	279000	445	0
	7	0	0	15750	0	0
Inland Prefecture						
Gifu	23	10	43	51750	5695	11
Shiga	11	7	64	24750	3727	15
Nara	18	12	67	40500	6259	15
Others						
Okayama	89	13	14	200250	3732	2
Fukuoka Coal Mine	28	5	18	63000	3051	5
Etc.	115	10	8	258750	8830	3
Total	1000	311	31	2,250,000	202,402	9

Incl: 1

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

PERCENTAGE OF SPOILED FISH SHIPPED OUT FROM SHIMONOSEKI

JUNE 1948

Destination	No.of Freight Cars	No.of Freight Cars Containing Spoiled Fish	%	Amount of Fish (Kan)	Amount of Spoiled Fish	%
Designated Consuming Area						
Tokyo	106	88	83	215867	81574	30
Yokohama	5	1	20	11005	604	5
Nagoya	57	4	7	131779	803	1
Kyoto	137	39	28	290575	21788	7
Osaka	128	3	2	289846	253	0
Kobe	107	62	58	240166	15322	6
Hiroshima	68	0	0	143449	0	0
Fukuoka	-	-	-	-	-	-
Inland Prefecture						
Gifu	14	1	7	29510	207	1
Shiga	10	5	50	20667	1163	6
Nara	12	10	83	25550	5674	22
Others						
Okayama	62	9	15	138510	1818	1
Fukuoka Coal Mine	14	5	36	26566	2305	9
Etc.	47	10	21	109919	8594	8
Total	767	237	31	1,673,409	140,098	8

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

PERCENTAGE OF SPOILED FISH SHIPPED OUT FROM SHIMONOSEKI

JULY 1948

Destination	No.of Freight Cars	No.of Freight Cars Containing Spoiled Fish	%	Amount of Fish(Kan)	Amount of Spoiled Fish (Kan)	%
Designated Consuming Area						
Tokyo	10	7	70	20606	2258	11
Yokohama	1	0	0	2164	0	0
Nagoya	15	0	0	30213	0	0
Kyoto	33	16	50	72596	5986	8
Osaka	53	1	2	114322	39	-
Kobe	46	26	56	95291	4609	5
Hiroshima	58	0	0	123277	0	0
Fukuoka	-	-	-	-	-	-
Inland Prefecture						
Gifu	5	0	0	8916	0	0
Shiga	-	-	-	-	-	-
Nara	-	-	-	-	-	-
Others						
Okayama	23	1	4	49009	52	0
Fukuoka Coal Minel		0	0	1695	0	0
Etc.	15	3	23	31430	1693	5
Total	260	54	20	549,519	14,657	2

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

Q. Why do fish arrive in the major receiving areas in deteriorated condition?

A. The main reason for detioriation is due to limited fishing areas which is being exhausted and the necessity to remain out extended periods in order to get enough fish to obtain sufficient link oil for continued operation.

Q. When the fish arrives in Shimonoseki is it apparent to you that it is detiorated?

A. At this season of the year about 5% is fit only for fertilizer on arrival.
For immediate processing 15 to 20%.
For immediate rationing as fresh fish 80% within 24 hours.

Q. What % is suitable for shipment to Tokyo?

A. About half of the foregoing 80%.

Q. How much of the foregoing 80% is actually shipped to the major consuming areas as rationable fish?

A. All is shipped as rationable fish but is sorted in receiving areas into fresh, processing, and fertilizer.

Q. Are you paid and fuel linked on the basis of how the fish is shipped or on the basis of how it is sorted upon receipt?

A. Price and fuel link are the same whether rationed or processed although usually lower if suitable only for processing.
No link allowed for fish turned into fertilizer and the price varies on the area and availability, ranging from 1/3 to almost 100% of the fresh fish price.

Q. What are your instructions relative to the freshness and quality of fish that you will authorize shipped?

A. Fish are supposed to be suitable for rationing as fresh fish, but there are no specific instructions for grading nor instructions or authority to punish or reprimand producers of unfresh fish.

Incl: 2