



Republika ng Pilipinas
PANGASIWAAN NG DAUNGAN NG PILIPINAS
(PHILIPPINE PORTS AUTHORITY)
Marsman Bldg , South Harbor, Port Area
Manila, Philippines



OCT 10 1996

PPA ADMINISTRATIVE ORDER NO. 14 - 96

TO : Cargo Handling Contractors, Shipping
Companies/Agents, Cargo Owners, Customs
Brokers at South Harbor and Others Concerned

SUBJECT : GUIDELINES ON THE LOAD LIMITATIONS AND
UTILIZATION OF THE PIERS AT SOUTH HARBOR

1. AUTHORITY

1.1 Sections 2-b, 6-a (11), (111), and (x) of P.D. 857

2. SCOPE

This order shall apply to all piers and Muelle de San Francisco Street of South Harbor.

3. PURPOSE

3.1 To prescribe the load limits for the reconstructed and unrehabilitated piers.

3.2 To protect the pier decks from damage and premature deterioration due to overload.

3.3 To ensure the safe and continued use of said piers in the efficient movement of cargoes thereat.

4. DEFINITION OF TERMS

4.1 Load Limit - the maximum load imposed on the pier decks of 500 and 200 pounds per square foot (psf) or 2.44 and 0.92 tons per square meter (tsm) on rehabilitated piers, respectively.

- 4.2 Heavy Lift - any general cargo, equipment or article with a gross weight of more than 30 tons, for the purpose of this Order.
- 4.3 Low-bed Trailer - a multi-tyred transport being utilized to carry heavy lift cargoes.
- 4.4 Floating Crane Barge - a water craft with mounted derrick capable of loading and unloading heavy lift cargoes.
- 4.5 Working Apron - a 15 meter wide area from the ledge of the pier for vessel's loading and unloading operations.
- 4.6 Open Storage Area - a space in the pier other than the working apron.
- 4.7 Authority - the Philippine Ports Authority

5. GUIDELINES

- 5.1 WORKING APRON - Operation in this area shall be guided by the following conditions:
 - 5.1.1 The Working Apron shall strictly be used for loading/unloading operations. During said operations, temporary 1-high stacking of containers (loaded or empty) is allowed only with the use of the ship's gear or traveling rail crane.
 - 5.1.2 Heavy equipment weighing more than twenty five (25) tons shall not be allowed entry into the pier for stacking of loaded containers.
 - 5.1.3 Discharging of logs unto the pier shall be allowed provided 1/2 thick steel plates and/or 3-4 pieces of logs are laid-out on the working apron to prevent damage on the concrete curbs and pavement and to cushion the load impact.
 - 5.1.4 Upon completion of loading/unloading operations, the working apron shall be cleared of all containers, cargoes, chassis, cargo handling equipment and other load bearing obstructions.

- 5.2 OPEN STORAGE AREAS AT FINGER PIERS - Container/cargo stacking placed at these areas shall be governed by the following conditions:
- 5.2.1 Empty containers shall be stacked at the maximum of 3-high at Piers 3, 5, 9 and 15.
 - 5.2.2 Loaded containers shall not be stacked at the areas of Piers 3, 5, 9 and 15.
 - 5.2.3 Stacking of containers to 2-high only shall be permitted in the backreach zone of the traveling rail crane for reloading onto the vessel or onto trucks by the rail crane. In no case shall containers be stacked directly under the spreader of the traveling rail crane.
 - 5.2.4 Loaded and empty containers shall not be stacked at the open storage areas of Pier 13.
 - 5.2.5 Storage of general cargoes shall be allowed provided it does not exceed the prescribed load limit of 500 lbs./sq. ft. or 2.44 tons/sq.m. in Piers 5, 9 and 15. However, at open storage areas of the unrehabilitated Piers 3 and 13, the imposed load of 200 lbs./sq. foot or 0.98 tons/s.m. shall be strictly observed. After rehabilitation of Piers 3 and 13, the prescribed load limit of 500 psf or 2.44 tons/sq. m. shall also apply.
 - 5.2.6 Storage of bulk cargoes, steel products, lumber and logs allowed discharge unto the pier by the Authority shall be temporary and subject to the prescribed load limits.
 - 5.2.7 The allowable stacking height for certain types of cargoes/commodities/shipments when stored at either the reconstructed or unrehabilitated piers shall comply with the conditions contained in the Annexes A and B hereof.
- 5.3 MUELLE DE SAN FRANCISCO ST. - Stacking of containers and general cargoes in this area shall be subject to the condition that:
- 5.3.1 Unless authorized in writing by the Authority, stacking of containers and cargoes at the Muelle de San Francisco Street (MDSF) shall no longer be allowed once CY-01 is completely developed and becomes fully operational.

5.4 HEAVY LIFT - Handling of heavy lifts/cargoes at the piers shall be guided by the following conditions:

5.4.1 As a general rule, handling of heavy lift cargoes of more than 30 tons shall not be allowed; provided however, that its discharge shall be permitted when multi-tyred low-bed trailer is utilized to effect even distribution of weight and conform with the prescribed load limits; provided further, that prior approval therefor shall be secured from the Authority. Immediately thereafter, said trailer shall be driven to a solid ground and the cargo released after documentary requirements have been complied with and clearance has been granted.

5.4.2 When the heavy lift cargo cannot be handled at the pier even with the provision of multi-tyred low-bed trailer as the load limit will be exceeded, the same shall be discharged shipside unto appropriate means of transport.

5.4.3 When the heavy lift cargo cannot be unloaded with the use of the ship's derrick, a floating crane shall be required to discharge the same unto the pier, subject to the conditions provided in paragraphs 5.4.1 and 5.4.2.


6. PENALTY PROVISION

6.1 Non-compliance with any provision of this Order shall constitute an administrative violation punishable under Section 43 of P.D. 857, as amended. The offender shall likewise be liable for the cost of damage to facilities arising therefrom. Accordingly, cost of damage to facilities arising therefrom shall be borne by the party responsible.

7. FINAL PROVISIONS

7.1 All PPA issuances inconsistent herewith are hereby repealed or amended accordingly.

7.2 This Order shall take effect fifteen (15) days after publication in a newspaper of general circulation.


CARLOS L. AGUSTIN
General Manager

Encls. Annexes A and B

Published in the ff. newspapers:

1. Phil. Star))
 2. Manila Standard)) Oct. 14 &
- 16, 1996

Effectivity Date: Oct. 31, 1996

CLA/JHS/VRP/NMT/abr

ANNEX "A"

| | CARGO/COMMODITY | WT/FT3 | TOTAL PERMISSIBLE STACKING HEIGHT FOR REHABILITATED PIERS (FT) |
|----|----------------------------|---------------|--|
| 1 | ACIDS, MURIATIC | 75 | 6 67 |
| 2 | ACIDS NITRIC | 94 | 5 32 |
| 3 | ACIDS, SULPHURIC | 112 | 4 46 |
| 4 | ALCOHOL | 49 | 10 2 |
| 5 | ALUMINUM, CAST | 165 | 3 |
| 6 | AUTOMOBILE TIRES | 30 | 16 7 |
| 7 | ASPHALT | 81 | 6 17 |
| 8 | BRASS, CAST, ROLLED | 534 | 1 |
| 9 | BEANS, IN BAGS | 40 | 12 5 |
| 10 | BOOK | 65 | 7 7 |
| 11 | BRONZE | 509 | 1 |
| 12 | BURLAP, IN BALES | 43 | 11 63 |
| 13 | CANNED GOODS | 58 | 8 6 |
| 14 | CARPETS AND RUGS | 30 | 16 67 |
| 15 | CEMENT | 90 | 5 5 |
| 16 | CEREAL | 48 | 10 42 |
| 17 | CHAINS | 100 | 5 |
| 18 | CHALK | 137 | 3 65 |
| 19 | CHINAWARE, IN CRATES | 40 | 12 5 |
| 20 | COAL | 58 | 8 62 |
| 21 | COPPER, CAST, ROLLED | 556 | 1 |
| 22 | COTTON FLAT HEMP | 93 | 5 38 |
| 23 | DATES, IN CASES | 55 | 9 |
| 24 | DOLOMITE | 181 | 2 75 |
| 25 | ELECTRIC GOODS & MACHINERY | 40 | 12 5 |
| 26 | FATS | 58 | 8 62 |
| 27 | FIGS, IN CASES | 74 | 6 8 |
| 28 | FLOUR | 47 | 10 64 |
| 29 | FLOUR, IN BARRELS | 40 | 12 5 |
| 30 | GLASS, COMMON | 156 | 3 21 |
| 31 | GLASS, PLATE | 161 | 3 11 |
| 32 | GRAPHITE | 131 | 3 82 |
| 33 | GRAVEL | 100 | 5 |
| 34 | HEMP | 93 | 5 38 |
| 35 | HIDES AND LEATHER | 20 | 25 |
| 36 | HINGES | 64 | 7 8 |
| 37 | IRON, PIG | 450 | 1 11 |

ANNEX "A"

| | CARGO/COMMODITY | WT/FT3 | TOTAL PERMISSIBLE STACKING HEIGHT FOR REHABILITATED PIERS (FT) |
|----|------------------------|--------|---|
| 38 | IRON, WROUGHT | 485 | 1 03 |
| 39 | LEAD | 710 | 0 7 (8 1/2") |
| 40 | LIME, GYMPUM | 64 | 8 |
| 41 | LIMESTONE | 95 | 5 25 |
| 42 | LINEN DAMASK, IN CASES | 50 | 10 |
| 43 | LINEN TOWELS, IN CASES | 40 | 12 5 |
| 44 | MARBLE/LIMESTONE | 150 | 3 3 |
| 45 | MEAT PRODUCTS | 45 | 11 |
| 46 | MILK, CONDENSED | 50 | 10 |
| 47 | MOLASSES, IN BARRELS | 48 | 10 5 |
| 48 | NICKEL | 565 | 0 88 |
| 49 | OILS, VEGETABLE | 58 | 8 62 |
| 50 | PAPER, WRITING | 60 | 8 3 |
| 51 | PARAFFINE | 56 | 9 |
| 52 | PITCH | 69 | 7 25 |
| 53 | PLUMBING SUPPLIES | 55 | 9 |
| 54 | RICE, IN BAGS | 58 | 8 6 |
| 55 | ROPE, IN COILS | 32 | 15 6 |
| 56 | RUBBER, CRUDE | 50 | 10 |
| 57 | RUBBER, CSOUTCHOUC | 59 | 8 47 |
| 58 | RUBBER GOODS | 94 | 5 32 |
| 59 | SALT IN BAGS | 70 | 7 14 |
| 60 | SAND | 95 | 5 25 |
| 61 | SCREWS | 101 | 5 |
| 62 | SHAFTING STEEL | 125 | 4 |
| 63 | SHEET TIN, IN BOXES | 278 | 1 8 |
| 64 | SILK AND SILT GOODS | 45 | 11 11 |
| 65 | SOAP POWDER, IN CASES | 38 | 13 2 |
| 66 | STEEL, ROLLED | 490 | 1 02 |
| 67 | SUGAR IN CASES | 51 | 10 |
| 68 | SULPHUR | 125 | 4 |
| 69 | TAR | 75 | 6 67 |
| 70 | TIMBER | 60 | 8 3 |
| 71 | TIN, CAST | 459 | 1 09 |
| 72 | TIN, CAST, HAMMERED | 459 | 1 |
| 73 | TOBACCO, BALES | 35 | 14 3 |
| 74 | WIRE CABLES, IN ROLLS | 425 ea | 1 |

| | CARGO/COMMODITY | WT/FT3 | TOTAL PERMISSIBLE STACKING HEIGHT FOR REHABILITATED PIERS (FT) |
|----|-------------------------------------|--------|--|
| 75 | WIRE, INSULATING COPPER IN COILS | 63 | 8 |
| 76 | WIRE, GALVANIZED IRON, IN COILS | 74 | 6 8 |
| 77 | WHITE LEAD PASTE, IN CANS | 174 | 2 87 |
| 78 | WOOL | 82 | 6 1 |
| 79 | ZINC, CAST | 440 | 1 14 |
| 80 | ZINC, ROLLED | 440 | 1 14 |

SOURCE: STV/LYON ASSOCIATES, INC

SOUTH HARBOR REHABILITATION PROJECT

ANNEX "B"

| CARGO/COMMODITY | MAXIMUM ALLOWABLE STACKING HEIGHT FOR UNREHABILITATED PIERS |
|--|---|
| 1 ASPHALT IN DRUMS (LOADED) WEIGHT 565 LBS SIZE/DRUM 1 83' x 3' | Not Allowed |
| 2 GASOLINE IN DRUMS (LOADED) WEIGHT. 370 LBS SIZE/DRUM 1 83 x 3' | Stockpile one (1) high @ 3'/high |
| 3 OIL, DIESEL, KEROSENE AND PETROLEUM IN DRUMS (LOADED) WEIGHT 489 LBS SIZE/DRUM 1 83' x 3' | Stockpile one (1) high @ 3'/high |
| 4 CEMENT/FERTILIZER IN BAGS WEIGHT/BAG 94 LBS | Stockpile two (2) feet high |
| 5 AGRICULTURE PRODUCTS SUCH AS GRAINS, FLOUR, COPRA, SUGAR RICE & PALAY, CORN, ETC | Stockpile three (3) feet high |
| 6 METAL AND METAL PRODUCTS SUCH AS GLASS ASBESTOS AND ALUMINUM SHEETS | Stockpile one (1) feet high |
| 7 STEEL BARS AND PLATES INCLUDING ROLLED STEEL IN BUNDLES | Stockpile 0 40 ft (or 4 inches) high |
| 8 CORRUGATED AND PLAIN G I SHEETS | Stockpile 0 40 ft (or 4 inches) high |
| 9 COPPER OR LEAD SHEETS | Stockpile 0 30 ft (or 3 inches) high |
| 10 LUMBER AND OTHER WOOD PRODUCTS, SUCH AS PLYWOOD, VENEER, ETC | Stockpile three (3) ft high |
| 11 HEAVY EQUIPMENT AND MACHINERIES IN CRATES | Direct discharge on the deck shall not be allowed if resulting load will exceed 200lbs/sq ft |
| ACTUAL WEIGHT PER CRATE WILL BE DETERMINED IN THE FIELD, AND RESULTING LOAD SHALL NOT BE EXCEEDED | It may be discharge directly to trucks or trailers provided H-10 loading will not be exceeded |

TOTAL WEIGHT - AREA OF BASE
OF CRATE

**SOURCE: PPA MEMORANDUM ORDER NO 33
SERIES OF 1977**