WORKSHEET FOR A RECEPTION FACILITY CERTIFICATE OF ADEQUACY FOR OILY WASTES

Worksheet Instructions

The following instructions for individual line items are provided to assist in completing the worksheet for a Certificate of Adequacy (COA) Application Form 5401A. If you have any questions or need assistance in completing the worksheet, please contact the U.S. Coast Guard Captain of the Port (COTP) for your area. A list of definitions, which you may find helpful in completing the worksheet are contained in 33 Code of Federal Regulations Part 158 (33 CFR 158.120).

Reception Facility Section:

This section consisting of line items "A" through "R2" is for calculating the estimated capacity of the proposed reception facilities. Those values which require calculation are entered in boxes with the applicable formula printed below.

"A" and "B" Enter values based upon receiving oily ballast or oily residues and mixtures through a single connection. This is necessary since ships are not required to discharge waste through multiple connections. If more than one mobile reception facility is used, enter the transfer rate of the slowest mobile reception facility. Discharge rates may be based on discharging through more than one connection, if all of the vessels and reception facilities have this ability.

"D" to "R2" Enter data for the types (fixed, tank truck, barge, other) of reception facilities to receive oily waste as appropriate. The types completed should correspond to the entry in item 2.A. of COA Form 5401A. Enter estimates of time requirements to the nearest tenth of an hour, e.g. 3.1 hours.

"D" Enter the daily amount of waste that can be removed from the storage tanks by processing or by transfer to a processing or disposal facility.

"E" If more than one mobile tank truck reception facility is used, enter the number of tank trucks available.

"L If more than one mobile barge reception facility is used, enter the number of barges available.

"R1" to "R2" If the reception facility used is not described above, describe the reception facility and show the calculations for daily capacity and transfer time requirements (attach additional sheets if necessary).

Vessel Oily Waste Section:

This section consisting of line items "S" through "AX" is for calculating the estimated capacity of the terminal or port in accordance with the regulations in 33 CFR 158. It is divided into four parts, (I) through (IV). Part (I) is for terminals loading crude oil ;Part (II) is for terminals loading oil (other than crude oil) in capacities of 1000 metric tons or more per day; Part (III) is for other terminals loading oceangoing ships; and Part (IV) is for ship repair yards.

Applicants applying as terminals should complete the parts that describe their operation. It may be necessary to complete more than one part. For example a terminal servicing both crude carriers and product carriers would

complete Part (I) and either Part (II) or (III) depending upon the volume of product transferred per day. Ports which have more than one terminal in each category are to enter consolidated information for each part. For example if a port has three terminals loading crude oil, the number of oceangoing crude tankers visiting the port per year reported in section "S" would be equal to the sum of the crude tankers visiting each of the terminals. The procedures for calculating the estimated reception facility capacities are based upon the specific values and requirements in 33 CFR 158. Applicable conversion factors are as follows:

1 metric ton equals 264 gallons
1 metric ton equals 8 barrels
1 metric ton equals 1 DWT (deadweight ton) = 1.1 short tons = 2200 pounds

For lines "U" and "AC" do not include crude tankers equipped with dedicated clean ballast or segregated ballast tanks or non-self-propelled tank barges that do not ballast or wash cargo tanks while proceeding en route. Base values for the average number of ships visiting the terminal on a typical continuous 12-month period. Data should be available to support entries.

Adequacy Criteria Section:

This section consisting of line items "AY" through "BH" compares the capacities, transfer rates and ability to provide timely reception facility service to the regulatory requirements.

The COA cannot be issued unless the following conditions are met for terminals and ports other than ship repair yards.

"AZ" is less than "AY;
"BB" is less than 10 hours;
"BF" is less than 4 hours;
"BG" is N/A; and
"BH" is YES.

For ship repair yards the COA cannot be issued unless the following conditions are met:

"AZ" is less than "AY"; and
"BG" is YES.

NOTE: Sections "BB", "BF", and "BH" are not applicable to ship repair yards.

WORKSHEET FOR A RECEPTION FACILITY CERTIFICATE OF ADEQUACY FOR OILY WASTES

Name of Terminal/Port _____

_____

Address _____

_____

_____

RECEPTION FACILITY SECTION:

A Maximum transfer rate capability for oily ballast: _____ **gallons/minute**
(enter this value on line 3.E. of COA Form 5401A)

B Maximum transfer rate capability for all other oily residue and mixtures: _____ **gallons/minute**
(enter this value on line 3.F. of COA Form 5401A)

C Reception facilities will be provided within 24 hours of notification? _____ **(yes or no)**

FIXED RECEPTION FACILITIES:

D Waste processing capability or transfer from storage facility: _____ **metric tons/day**

MOBILE TANK TRUCK RECEPTION FACILITIES:

E Number of tank trucks available: _____

If tank trucks are not owned, list the name and address of company(ies) which is/are renting, leasing, or otherwise providing them:

_____

_____

_____

F Capacity of smallest tank truck: _____ **gallons**

G Time required to fill tank truck with oily ballast: [ ] **hours**

$$\frac{\mathbf{F}}{(\mathrm{A} \times 60)}$$

H Time required to fill tank truck with other oily residue or mixtures: [ ] **hours**

$$\frac{\mathbf{F}}{(\mathbf{B} \times 60)}$$

I Estimated time between filling of tank trucks (i.e. time for tank truck to offload, return, and make connections to ship, etc.): [ ] **hours**

J Enter the value from **G** or **H**, whichever is greatest: [ ] **hours**

K Daily capacity of mobile tank truck reception facilities: [ ] **metric tons/day**

$$\frac{(0.09 \times \mathbf{E} \times \mathbf{F})}{(\mathbf{J} + \mathbf{I})}$$

BARGE RECEPTION FACILITIES:

L Number of barges available: _____

If barges are not owned, list the name and address of company(ies) which is/are renting, leasing, or otherwise providing them:

_____

_____

_____

M Capacity of smallest barge: _____ **gallons**

N Time required to fill barge with oily ballast: [ ] **hours**

$$\frac{\mathbf{M}}{(\mathbf{A} \times 60)}$$

O Time required to fill barge with other oily residues or mixtures: [ ] **hours**

$$\frac{\mathbf{M}}{(\mathbf{B} \times 60)}$$

P If only using 1 barge, estimate of longest time required to offload and return to terminal; if more than 1 barge enter **0**: _____ **hours**

Q The value from **N** or **O**, whichever is greater: [ ] **hours**

R Daily capacity of barge reception facilities: [ ] **metric tons/day**

$$\frac{(0.09 \times \mathbf{M})}{(\mathbf{Q} + \mathbf{P})}$$

OTHER RECEPTION FACILITY CAPACITY:

Describe completely and show calculations used to arrive at the daily capacity (R1) in metric tons and daily average transfer rate (R2) in gallons per minute:

_____

_____

_____

R1 _____ **metric tons/day** **R2** _____ **gallons/min**

Signature of Reception Facility Person in Charge _____

Printed Name of Reception Facility Person in Charge _____

Date Signed _____

VESSEL OILY WASTE SECTION:

Complete parts **(I)** through **(IV)** for the types of ocean going ships or operations conducted at your terminal or port. **For example:** If your terminal loads more than 1000 metric tons per day of crude oil and product oil, complete parts **(I)** and **(II)**. Ports should enter the sum of the operations for all terminals considered part of that port.

(I) TERMINAL/PORT LOADING CRUDE OIL: ESTIMATED RECEPTION FACILITY REQUIREMENTS:

S Oceangoing crude tankers visiting terminal/port per year: ☐

T Oceangoing crude tankers visiting terminal/port per day: ☐

$$\frac{\mathbf{S}}{365}$$

U Expected average number per day of oceangoing oil tankers not equipped with dedicated clean ballast tanks or segregated ballast tanks. Do not include tank barges that do not ballast or wash cargo tanks while proceeding en route. _____

V Largest oceangoing oil tanker expected to visit terminal/port in metric tons that is not equipped with dedicated clean ballast tanks or segregated ballast tanks. Do not include tank barges that do not ballast or wash cargo tanks while proceeding en route. _____ **metric tons**

W Estimated sludge capacity requirement (*enter at least 10 metric tons*). ☐ **metric tons/day**

X Estimated oily bilge water capacity requirement. ☐ **metric tons/day**

10 or (**T** x 2)
whichever is greater

Y Estimated Oily Ballast capacity requirement. ☐ **metric tons/day**

0.30 x **V** x **U**

Z Total estimated capacity requirement for terminal/port loading crude oil. _____ **metric tons/day**

W + **X** + **Y**

(II) TERMINAL/PORT LOADING MORE THAN 1000 METRIC TONS OF OIL PER DAY EXCEPT CRUDE OIL OR BUNKER OIL: ESTIMATED DAILY RECEPTION FACILITY CAPACITY REQUIREMENTS.

AA Oceangoing oil tankers visiting terminal/port per year: ☐

AB Oceangoing oil tankers visiting terminal/port per day: ☐

$$\frac{\mathbf{AA}}{365}$$

AC Expected average number per day of oceangoing oil tankers not equipped with dedicated clean ballast tanks or segregated ballast tanks. Do not include tank barges that do not ballast or wash cargo tanks while proceeding en route. _____

AD Largest oceangoing oil tanker expected to visit terminal/port in metric tons, that is not equipped with dedicated ballast tanks or segregated ballast tanks. Do not include tank barges that do not ballast or wash tanks while proceeding en route. _____ **metric tons**

AE Cargo capacity of largest tanker using the terminal/port in metric tons: _____ **metric tons**

AF Amount of oil, except crude oil, loaded to tankers in metric tons per year: _____ **metric tons/year**

AG Amount of oil, except crude oil, loaded per day: [ ] **metric tons/day**

$$\frac{\text{AF}}{365}$$

(if AG is 1000 or less, Part II should not be completed)

AH Estimated sludge capacity requirement (enter at least 10 metric tons). _____ **metric tons/day**

AI Estimated oily bilge water capacity requirement: [ ] **metric tons/day**

10 or (**AB** x 2)
whichever is greater

AJ Estimated oily ballast capacity requirement: [ ] **metric tons/day**

0.30 x **AD** x **AC**

AK Estimated cargo residue capacity requirement: [ ] **metric tons/day**

0.002 x **AE** x **AB**

AL Total estimated capacity requirement for terminal/port loading more than 1000 metric tons of oil, except crude oil and bunker oil: [ ] **metric tons/day**

AH + **AI** + **AJ** + **AK**

(III) OTHER TERMINALS/PORT RECEIVING OCEANGOING SHIPS, EXCEPT SHIP REPAIR YARDS: ESTIMATED DAILY RECEPTION FACILITY CAPACITY REQUIREMENTS.

AM Oceangoing ships visiting terminal/port per year: _____

AN Oceangoing ships visiting terminal/port per day: [ ]

$$\frac{\text{AM}}{365}$$

AO Estimated sludge capacity requirement: [ ] **metric tons/day**

AN or 10
whichever is greater

AP Estimated oily bilge water capacity requirement: [ ] **metric tons/day**

(**AN** x 2) or 10
whichever is greater

AQ Total estimated capacity requirement for other terminals/ports receiving oceangoing ships, except ship repair yards: [ ] **metric tons/day**

AO + **AP**

(IV) SHIP REPAIR YARD: ESTIMATED RECEPTION FACILITY CAPACITY REQUIREMENTS.

AR Bunker capacity of largest oceangoing ship serviced: _____ **metric tons**

AS Metric tons of largest tanker serviced: _____ **metric tons**

AT Estimated capacity requirement for oily bunker ballast: ____ **metric tons**
0.08 x **AR**

AU Estimated capacity requirement for sludge and solids from cargo tanks: ____ **metric tons**
0.001 x **AS**

AV Estimated capacity requirement for oily ballast water and wash water from inport washing of cargo tanks: ____ **metric tons**
1500 or (0.045 x **AS**) whichever is less

AW Liquid cargo residues: ____ **metric tons**
AS x 0.01 if largest oceangoing tanker is a crude carrier

AS x 0.005 if largest oceangoing tanker is a black product carrier

AS x 0.002 if largest oceangoing tanker is a white product carrier

AX Total estimated capacity requirement for ship repair yard: ____ **metric tons**
AT + **AU** + **AV** + **AW**

ADEQUACY CRITERIA SECTION:

AY Total reception facility estimated daily capacity: ____ **metric tons/day**
(**enter this value on line 3.A. of COA Form 5401A)**
D + **K** + **R** + **R1*** * (if applicable)

AZ Total estimated daily capacity required for terminal/port: ____ **metric tons/day**
(**enter this value on line 3.B. of COA Form 5401A; if AZ is larger than AY, then additional reception facility capacity is required.)**
Z + **AL** + **AQ** + **AX**

WASTE TRANSFER RATE REQUIREMENT

BA Daily oily ballast estimated capacity: ____ **metric tons/day**
Y or **AJ** whichever is larger

BB Time required to transfer oily ballast: ____ **hours**
(**if this value is equal to or greater than 10 hours, then reception facility's transfer rate is inadequate)**
$\frac{\textbf{(0.18 x BA)}}{\text{A}}$

ALL OTHER OILY RESIDUES AND MIXTURES TRANSFER RATE REQUIRMENT

BC Sludge and bilge wastes from terminals servicing crude oil tankers: ____ **metric tons/day**
W + **X**

BD Sludge and bilge wastes from terminals loading more than 1000 metric tons of oil per day except crude oil: ____ **metric tons/day**
AH + **AI** + **AK**

BE Greatest amount of sludge and bilge wastes that can be expected to be generated: ____ **metric tons/day**
BC, **BD**, or (**AO** + **AP**) whichever is greater

BF Time required to transfer all other oily residues and mixtures: _____ **hours**
(if this value is equal to or greater than 4 hours, then the reception facility's transfer rate for other oily residues and mixtures is inadequate)

$$\frac{(0.18 \times BE)}{B}$$

BG Oily waste will be transferred prior to ship leaving the ship repair yard: _____ **yes, no, or N/A**
(if answer is no, then other arrangements must be made)

BH Reception facilities for oily waste will be provided within 24 hours of notification? _____ **yes, no, or N/A**
(if answer is no, then reception facility does not meet minimum requirements)

I HEREBY CERTIFY THAT THE INFORMATION PROVIDED IN THIS WORKSHEET FOR A WASTE RECEPTION FACILITY CERTIFICATE OF ADEQUACY IS COMPLETE, TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

Signature of person completing worksheet _____

Printed or typed name of person completing worksheet _____

Date signed _____