

Administrative body: PORT AUTHORITY OF VALÈNCIA

Reference Number: INS_01_2023

**RESOLUTION OF THE
DIRECTOR GENERAL**

Considering the Proposal made jointly by the Deputy Director General and the Head of the Area of Ecological Transition, with Secure Verification Code (CSV) 4X1r matC xA2Z GE6V cZzy c6MK zts=, and based on the power attributed in letter a) of section 2 of article 33 of the **Consolidated Text of the State Ports and Merchant Navy Law, approved by Royal Legislative Decree 2/2011, of September 5**, as well as the provisions of article 30 of the **“Service and Police Regulations of the service areas of the ports included in the scope of action of the Autonomous Port of Valencia - today Port Authority of Valencia –**, dated February 1, 1986 (approved on December 30, 1985 and published in BOP No. 26 of January 31, 1986), this GENERAL DIRECTION

IT HAS BEEN RESOLVED

FIRST.- Approve the **“Instruction of the General Directorate of the Port Authority of Valencia on the use of exhaust gas washing systems (scrubbers) on ships, which are in the waters of the service area of the ports managed by the Port Authority of Valencia”** (V.1 – July 2023), attached to this Resolution, which cancels and replaces any other prior instructions on the affair.

SECOND.- Instruct the Exploitation Organizational Unit to proceed to transfer the aforementioned Instruction to all interested parties, giving due publicity.

This document has been signed electronically by the General Director of the Port Authority of Valencia, Francesc Sánchez Sánchez, on the date reflected in the validation contained therein and that It can be verified using the Secure Verification Code (CSV) that is also included.

INSTRUCTION FROM THE GENERAL DIRECTORATE OF THE PORT AUTHORITY OF VALENCIA ON THE USE OF EXHAUST GAS WASHING SYSTEMS (SCRUBBERS) ON SHIPS, WHICH ARE IN THE WATERS OF THE SERVICE AREA OF THE PORTS MANAGED BY THE PORT AUTHORITY OF VALENCIA.

Article 62.1. of the Consolidated Text of the State Ports and Merchant Navy Law, approved by Royal Legislative Decree 2/2011, of September 5 (hereinafter, also, TRLPEMM), prohibits polluting discharges or emissions, whether solid or liquid. or gaseous, in the port public domain, from ships or floating means of any type.

Likewise, it is necessary to preserve and improve the quality of the waters in the service area of the ports of Valencia, Sagunto and Gandía, managed by this Port Authority of Valencia (APV). For this purpose, this Instruction is established with the following characteristics:

Purpose: Establish the procedures to request authorization for the use of exhaust gas washing systems, both open loop scrubbers and closed loop scrubbers.

Geographic scope: Zone I: internal waters and Zone II: external waters, of the service area of the Ports managed by the PAV. As a guideline only, the scope of the waters of each port is indicated in diagrams No. 1 (Valencia), No. 2 (Sagunto) and No. 3 (Gandia) of this instruction.

Subjective scope: Vessels that are in the geographical area described.

A. PROCEDURE TO REQUEST AUTHORIZATION FOR THE USE OF WASHING SYSTEMS OF OPEN CYCLE EXHAUST GASES (OPEN LOOP SCRUBBERS) IN WATERS OF THE SERVICE AREA OF THE PORTS MANAGED BY THE PORT AUTHORITY OF VALENCIA.

AI Point scales

The use of OPEN CYCLE scrubbers (OPEN LOOP) is not generally authorized in the waters of the service area of the ports managed by the Port Authority of Valencia: Valencia, Sagunto and Gandia.

As an exception to the above, the ship may request the use of open cycle scrubbers in the area I and II of the port, as long as EACH AND EVERY ONE of the following requirements are met:

Submission of authorization request through the PAV Electronic Headquarters (<https://valenciaportse.gob.es/SedeElectronica>), at least ONE (1) week in advance of the ship's arrival date, in which provide the following information:

- o Name of the Vessel and its IMO number
- o Features of delscrubber
- o Analysis of the discharge no more than THREE (3) MONTHS prior to the estimated date of the scale for the which authorization is requested to verify compliance with the limit values for the following parameters:

Turbidity: Maximum value 29 NTU

pH Greater than 6.5 with the exceptions contemplated in MEPC Resolution 259(68)

Nitrates: Maximum value 2.1 mg/l

Polycyclic hydrocarbons (PAH): Maximum values depending on the nominal power of the combustion unit and the flow of the discharge according to table 10.1.3.3 of Resolution MEPC 259(68).

Flow rate (t/MWh)	Discharge concentration limit (µg/L PAH _{phe} equivalents)	Measurement technology
0-1	2.250	Ultravioletlight
2.5	900	
5	450	Fluorescence3
11.25	200	
22.5	100	
45	50	
90	25	

The discharge characterization information must be completed in the following table, not in no case exceeding the maximum values established therein:

NAME OF BOUQUET	IMO NO	BRAND AND MODEL DEL SCRUBBER	WMR ANALYTICS RESULTS			
			TURBIDITY	pH	NITRATES	HAP
			<29 NTU	<6.5	<2.1 mg/l	in accordance with table 10.1.3.3 the resolution MEPC 259(68)

- o Additionally, analysis of the following parameters in the discharge water, which must not exceed the values in the table below (in compliance with Royal Decree 817/2015, of September 11, which establishes the monitoring criteria and evaluation of the state of surface waters and environmental quality standards.):

PARAMETER	NORMATIVE VALUE	UNITS
Benzene	8,00	µg/l
Hexachlorobutadieno	0,60	µg/l
Tetrachloroetileno	10,00	µg/l
Carbon tetrachloride	12,00	µg/l
Trichloroetileno	10,00	µg/l
Naphthalene	2,00	µg/l
Antraceno	0,10	µg/l
Fluor antenna	0,0063	µg/l
Benzo(b)fluoranthene	0,017	µg/l
Benzo(k)fluoranthene	0,017	µg/l
Benzo(a)pireno	0,00017	µg/l
Indeno(1,2,3,cd)pyrene	0,00082	µg/l
Benzo(g,h,i)perylene	0,00082	µg/l
Cadmium, Cd	0,20	µg/l
Mercury, Hg	0,07	µg/l
Nickel, Ni	8,60	µg/l
Lead, Pb	1,30	µg/l
Etilbenceno	30,00	µg/l
Toluene	50,00	µg/l
1,1,1-Tricloroetano	100,00	µg/l
Xylenes (Sum max.)	30,00	µg/l

PARAMETER	NORMATIVE VALUE	UNITS
Arsenic, As	25,00	µg/l
Copper, With	25,00	µg/l
Chromium (VI)	5,00	µg/l
Selenium, Se	10,00	µg/l
Zinc, Zn	60,00	µg/l
pH	> 6,5	pH unit
Turbidity	29,00	NTU
Nitrates	2,10	mg/l

o Information regarding the discharge to be carried out during the stopover for which authorization is requested:

- Volume to pour.

- Time and duration of the pouring operation.

- Caudal.

- GPS coordinates of the discharge point.

o International Certificate for the Prevention of Air Pollution in force.

o Certificate of conformity by the Classification Society of regulation EU 2021/1158 and the MEPC Regulation 259(68).

o Written commitment that the washwater monitoring report (WMR) corresponding to the scale in Valenciaport will be sent through the PAV Electronic Office no later than thirty (30) calendar days from the departure of the ship.

Once the above information is received, it will be evaluated by the PAV technicians, who will determine whether or not to authorize the use of the open cycle scrubber for the scale and vessel requested, and will notify electronically (available at the PAV Electronic Headquarters and in the Unique Enabled Electronic Address (<https://dehu.redsara.es/>) the corresponding authorization.

Until TWENTY-FOUR (24) hours prior to the arrival of the vessel at the stopover subject to the request, the vessel, through its consignee, must inform the PAV by email to the address Ambiente@valenciaport.com, using the reference of the authorization, on the volume, flow, estimated start/end times of operations and physical location where it will be carried out.

If the use of the open cycle scrubber is authorized, the captain of the vessel will ensure that Continuous monitoring of the spill is maintained and the WMR will be sent to the PAV via email to the address Ambiente@valenciaport.com after the vessel's stay in port within a period not exceeding THIRTY (30) calendar days from the date of the stopover, in which the values of turbidity, pH, PAHs and nitrates are reflected in relation to the maximum values established in this instruction.

If, once the WMR is received, non-compliance with the established parameters is detected, the PAV may initiate the corresponding sanctioning procedure.

It will be the responsibility of the ship owner to maintain the corresponding certificates in force and to send the corresponding updates to the PAV.

A.II. Regular scales

For ships that make regular calls in the ports of Valencia, Sagunto or Gandía and require authorization for the use of open cycle scrubbers, they may send a single request for a validity of THREE (3) months, which includes the information corresponding to the previous section (*Specific stopovers*) and the minimum number of stopovers, the port of call and the spill monitoring information in accordance with the previous section (WMR).

This quarterly request must be submitted at least ONE (1) week in advance of the first annual call of the vessel in question. If, once the use of open cycle scrubbers has been authorized for a given vessel, the WMR sent for each stopover detects non-compliance with the established parameters, the PAV may revoke the authorization immediately and initiate the corresponding sanctioning procedure.

B. PRIOR NOTIFICATION PROCEDURE FOR THE USE OF CLOSED CYCLE EXHAUST GAS WASHING SYSTEMS (CLOSED LOOP SCRUBBERS) BY SHIPS, IN THE SERVICE WATERS OF THE PORTS MANAGED BY THE PORT AUTHORITY OF VALENCIA.

The use of CLOSED LOOP scrubbers is generally authorized in the waters of the service area of the ports managed by the Port Authority of Valencia.

For the use of closed cycle scrubbers, notification must be sent to the electronic headquarters of the PAV (<https://valenciaportse.gob.es/SedeElectronica>), at least ONE (1) week in advance of the arrival date of the vessel, in which the following data is provided:

- o Name of the Vessel and its IMO number.
- o Features of the scrubber.
- o International Certificate for the Prevention of Air Pollution in force.
- o Certificate of conformity by the Classification Society of regulation EU 2021/1158 and the MEPC Regulation 259(68).
- o RESPONSIBLE DECLARATION signed by the Captain of the vessel, in accordance with the model in Annex I.

It is understood that a ship that uses closed cycle scrubbers does not produce any type of discharge from the scrubber's own operation. If it is produced, in addition to not authorizing its use, it is reported that the corresponding sanctioning file will be initiated for such discharge.

The above also applies to the discharge of scrubber cooling water, in the event that it contains any substance that is not typical of seawater.

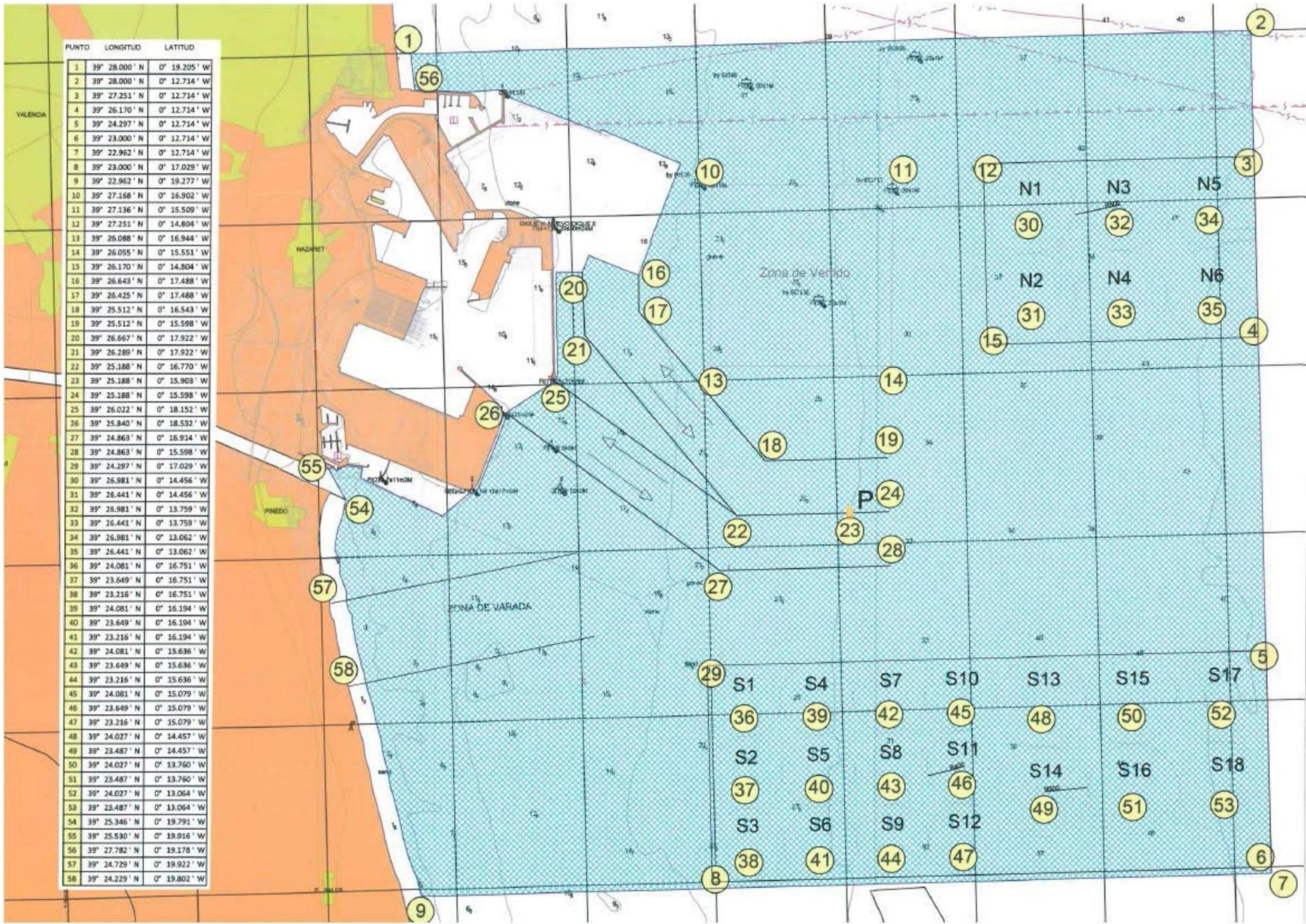
As in the case of open cycle, it will be the responsibility of the ship owner to maintain the corresponding certificates in force and to send the appropriate updates to the PAV.

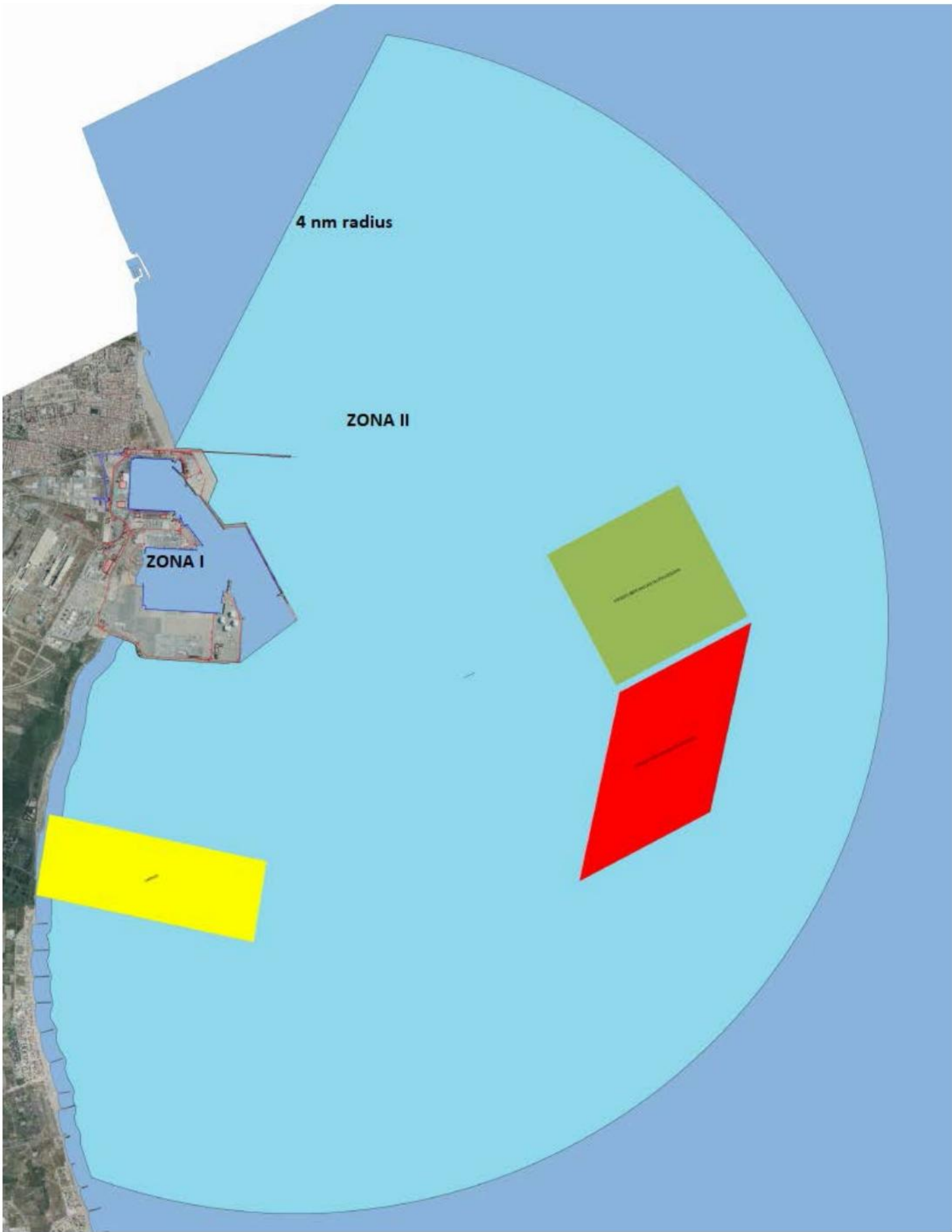
The notification sent will have a duration of THREE (months), provided that the validity period of the certificates is included in said period. A new notification must be sent before the expiration of the initial one.

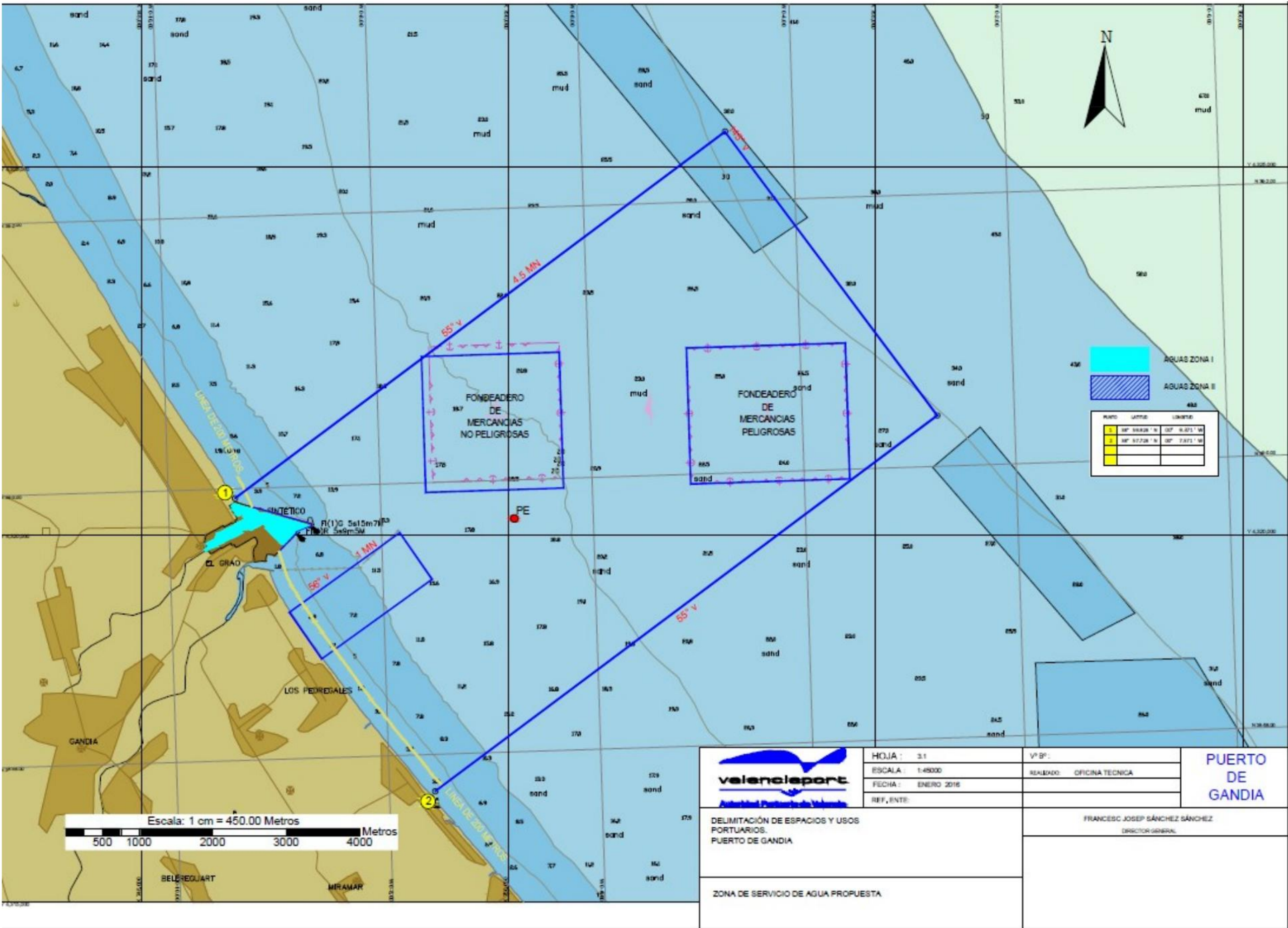
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Instruction from the General Directorate of the Port Authority of Valencia on the use of exhaust gas washing systems (scrubbers) by ships, in the waters of the service area of the ports managed by the Port Authority of Valencia. V.1 – July 2023

SCHEME 1 (As a guide)
INTERNAL AND EXTERNAL WATERS OF THE PORT OF VALENCIA







ANNEX I

RESPONSIBLE DECLARATION ON THE USE OF VESSEL EXHAUST GAS WASHING SYSTEMS IN CLOSED CYCLE MODE IN PORT WATERS MANAGED BY THE PORT AUTHORITY OF VALENCIA.

RESPONSIBLE DECLARATION ON THE USE OF SCRUBBERS IN CLOSED LOOP MODE IN PORT WATERS MANAGED BY THE PORT AUTHORITY OF VALENCIA

VESSEL NAME <i>SHIP'S NAME</i>	
IMO NUMBER <i>IMO NUMBER</i>	
PUERTO <i>PORT</i>	

I declare that the ship under my command will use exhaust gas washing systems (scrubbers) in closed cycle mode during its port call and that the use of this system does not produce any type of discharge into the sea.
 coming from the scrubber's own operation.

Likewise, I declare that, in the event that it is necessary to pour water from the scrubber's cooling system, it only contains substances typical of seawater.

And for the record for the appropriate purposes, I sign this document.

I hereby declare that the vessel under my command, will use scrubbers in closed-loop mode during her call at the port, and that the use of this system does not produce any discharge at sea from the scrubber operation itself.

I also declare that, in the event it is necessary to discharge water from the scrubber's cooling system, it only contains substances typical of seawater.

For the record, I hereby sign this document.

DATE <i>DATE</i>	
BUSINESS SIGNATURE	
NAME AND TITLE <i>NAME AND POSITION</i>	