

DESCRIÇÃO DA EMBARCAÇÃO *Ms VIRGIE*

Solicitação para inclusão da embarcação Ms VIRGIE operar como embarcação de contenção e recolhimento de óleo no PEI da atividade de perfuração marítima no bloco FZA-M-59.



Segue a descrição da embarcação **Ms Virgie** para operar como embarcação de contenção e recolhimento de óleo no PEI FZA-M-59. Os certificados da embarcação constam como anexos.

Embarcação	FUNÇÃO NA ATIVIDADE	
Ms Virgie	MPSV	
1 – DOCUMENTAÇÃO		VALIDADE
Certificado de Classe		10/10/2027
Certificado IOPP		11/10/2027
Certificado de Equipamento de Segurança		11/10/2027
Certificado Internacional de Prevenção da Poluição do Ar		11/10/2027
Certificado Internacional de Prevenção da Poluição por Esgoto Sanitário		11/10/2027
2 – DESCRIÇÃO DA EMBARCAÇÃO		
Nome	Ms Virgie	
Proprietário	Nautical Solutions LLC	
Tipo	MPSV	
Bandeira	Americana	
Ano de construção / Upgrade	2008	
Classificação	A1, DPS-2, AMS, FiFi-I	
Dimensões	84,73 m x 18,28 m x 7,31 m	
3 – DESCRIÇÃO DA EMBARCAÇÃO QUANTO À LOTAÇÃO		
Capacidade total da embarcação	29 Pessoas	
Pessoal efetivamente a bordo	14 tripulantes + 00 passageiros	
Número de terceirizados	00	
Número de brasileiros	13	
Escala de trabalho	28 dias x 28 dias em turnos de 12 horas	
Número de estrangeiros	01	
Escala de trabalho	28 x 28	

4 – ACOMODAÇÕES							
Item			Quantidade		Unidade		
Total de Leitos Disponíveis			29		-		
Enfermaria (Nº de Leitos)			-		-		
Refeitório			01		01		
5 – EQUIPAMENTO DESTINADOS A TRATAMENTO DE RESÍDUOS							
Item		Modelo / Fabricante		Capacidade		Manutenção	
Compactador		NA		NA		NA	
Incinerador		NA		NA		NA	
Triturador de resíduo alimentar + reserva.		01+01		N/A		N/A	
6 – EQUIPAMENTOS DE CONTENÇÃO E RECOLHIMENTO ORO SYSTEM							
Barreira		Limite de Mar	Borda livre	Saia	Número de Série	Vida Útil	Ano de Fabricação
Current Buster 6 com recolhedor integrado (compartilhado entre as duas barreiras)		Mar 05	1 m	N/A	OCP-CB-0027	10 anos	2021
Current Buster 6		Mar 05	1 m	N/A	OCP-CB-0027	10 anos	2021
Recolhedor	Vazão	Tipo de Óleo		Limite de Mar	Número de Série	Vida Útil	Ano de Fabricação
Current Buster 6 com recolhedor integrado	100 m³/h	Maior eficiência para óleos do tipo II e III com viscosidade cinemática até 50.000 cSt		Mar 05	OCP-BB-0004	5 anos	2021
Sistema para Detecção de óleo		Fabricação / Modelo		Tipo de Sensor			Alcance (por sensor)
RADAR RUTTER SIGMA 6		Modelo: E-SP-02800 Ano: 2021		-			96 milhas
Workboat			Limite de Mar			Capacidade	
NA			NA			NA	
Canhões de Combate a Incêndio		Localização		Número de Série		Vazão / Classificação	
SISTEMA FIFI		TIJUPÁ		-		FIFI I	

7 – EQUIPAMENTO DE DISPERSÃO QUÍMICA E DISPERSANTE

Equipamento	Quantidade	Unidade
SISTEMA DISPERSANTE COM DOIS BRAÇOS, UM EM CADA BORDO DA EMBARCAÇÃO	02 BRAÇOS	9 ASPERSORES EM CADA BRAÇO – TOTAL DE 18 ASPERSORES

8 – SEPARADOR ÁGUA/ÓLEO**Tipo:** Unidade separador de água e óleo**Descrição:**

Fabricante: Recovery Energy

Modelo: BOSS 11T/107

Capacidade: 2,5 m³/h

Capacidade do Tanque: 25 m³**9 - KIT SOPEP**

Equipamento		Quant.	UN
1	SERRAGEM FINA	10	KG
2	MANTA ABSORVENTE	10	UN
3	SACO DE AREIA	10	KG
4	TRAPO	10	KG
5	ESTOPA	5	KG
6	RODO	2	UND
7	PÁS	2	UND
8	VASSOURA	2	UND
9	BALDE PLÁSTICO	4	UND
10	BOTA CANO LONGO	2	PAR
11	LUVA DE BORRACHA	2	PAR
12	SACO PLÁSTICO	50	UND
13	PRODUTO DE LIMPEZA	20	UND
14	TAMBOR DE RESIDUO 200L	1	UND

Localização: CONVÉS PRINCIPAL

10 - SISTEMAS DE TRATAMENTO DE ESGOTO SANITÁRIO**Tipo:** Unidade para tratamento Biológico de Esgoto Sanitário**Descrição:** ORGANIC WASTE TREATMENT PLANT

Fabricante: SCIENCO/FAST

Modelo: M5S CU000

Capacidade de tratamento: 2,93 m³ / d**Capacidade do Tanque:** 24,93 m³**11 - ESTRUTURA / CARACTERÍSTICAS GERAIS**

Comprimento	84,73 m
Largura (Boca)	18,28 m
Calado Máximo	7,31 m
Velocidade de serviço	10 nós

12 - CAPACIDADE DOS TANQUES**Volume Total
(m³)**

Tanques de armazenamento de resíduo oleoso (óleo recolhido)	1.050 m ³
Tanques de Água Industrial	1.098,3 m ³
Tanques de óleo lubrificante	17,2 m ³
Tanques de óleo diesel	1.544,0 m ³
Tanques de água potável	222,9 m ³

13 – HELIPONTO

N/A

14 - GERAÇÃO DE ENERGIA

Item	Potência	Quantidade
Geradores principais	277 / 480 KV	(02) CAT 3508
Geradores de emergência / Porto	175 KW / 440 V	(01) John Deere 6081

15 – MAQUINÁRIO

Equipamento	Quantidade	Características
Motores Principais	02	CATERPILLAR C-280
Propulsor da proa / Popa	02	BRUNVOLL FU 80LTC - 200
Hélices	02	SCHOTTEL SCP07742G
Âncoras	02	68 / 6504 - STOCKLESS
Cabrestantes	02	ROLLS-ROYCE BRATTVAAG / BFM63

16 – ELETRÔNICA		
Equipamentos	Quantidade	Características (Marca e modelo)
Radar	02	JRC – JMA 5310-6
Rádios	02	FURUNO FM8800S
Sonda ecobatimétrica (1)	01	FURUNO – FE800
Bússola magnética	01	CASSENS & PLATH 0735-08
Perfilador Doppler	01	JRC – JLN - 205
Piloto automático	01	NAVTRON – NT888G
Bússola giroscópica	3	SIMRAD GC-80
Indicador de velocidade do vento	3	YOUNG - 05106
GMDSS	1	FURUNO – FELCOM 18
Radar detector de óleo	1	RUTTER - OCEANWAVES

17 - INFORMAÇÕES ADICIONAIS exigidas pelo IBAMA		
	VERIFICAÇÃO E ANEXO	STATUS
1	Versão em português dos principais componentes do PEVO / PEI	OK
2	PEVO/PEI em português (Tripulação Brasileira) DIGITAL	OK
3	Evidências do Treinamento da Tripulação no PEAT	OK
4	Triturador sobressalente ou peças de reposição a bordo	OK
5	Inventário e FISPQ's dos Produtos Químicos a Bordo	OK
6	Coletores de resíduos devidamente identificados	OK

Anexos

1. Certificado de Classe

Certificate No.: 08195209-5283340-022



CLASS CERTIFICATE

MS VIRGIE

Class Number	08195209	IMO Number	9529857
Builder	NORTH AMERICAN SHIPBUILDING INC.		
Builder ID	250		

This is to certify that the above has been surveyed in accordance with the Rules of this Bureau and entered in the Record with the Class:

✱A1, Fire Fighting Vessel Class 1, Ⓢ, ✱AMS, ✱DPS-2

Additional Notations
NVIC 2-95 ACP, UWILD

11 October 2022

Issue Date

Chief Surveyor



10 October 2027

Expiration Date

Corporate Secretary

2. Certificado de Equipamento de Segurança



Certificate No.: 06195209-5283340-076

CARGO SHIP SAFETY EQUIPMENT CERTIFICATE

THIS CERTIFICATE SHALL BE SUPPLEMENTED BY A RECORD OF EQUIPMENT (FORM E)

ISSUED UNDER THE PROVISIONS OF THE
INTERNATIONAL CONVENTION FOR THE SAFETY OF LIFE AT SEA, 1974,
AS MODIFIED BY THE PROTOCOL OF 1988 RELATING THERETO

UNDER THE AUTHORITY OF THE GOVERNMENT OF

United States of America

(name of the State)

by American Bureau of Shipping

Particulars of Ship:

Name of Ship	Distinctive Number or Letters	Port of Registry	Gross Tonnage ¹ a) According to footnote 1; b) According to footnote 2
MS VIRGIE	1213714 WDN3527	Galliano, LA	2998
Maximum Deadweight of Ship (Metric Tons) ⁴	Length of Ship (Regulation III/3.12)	IMO Number	Date on Which Keel Was Laid ⁵
-	281 Feet 6 Inches	9529657	30 July 2007

Type of ship:¹

Bulk Carrier

Oil Tanker

Chemical Tanker

Gas Carrier

Cargo Ship other than any of the above

THIS IS TO CERTIFY:

- 1 that the ship has been surveyed in accordance with the requirements of Regulation I/8, of the Convention.
- 2 that the survey showed that:
 - 2.1 the ship complied with the requirements of the Convention as regards fire safety systems and appliances and fire control plans;
 - 2.2 the life-saving appliances and the equipment of the lifeboats, liferafts and rescue boats were provided in accordance with the requirements of the Convention;
 - 2.3 the ship was provided with a line-throwing appliance and radio installations used in life-saving appliances in accordance with the requirements of the Convention;
 - 2.4 the ship complied with the requirements of the Convention as regards shipborne navigational equipment, means of embarkation for pilots and nautical publications.

Certificate No.: 08195209-5283340-076

- 2.5 the ship was provided with lights, shapes, means of making sound signals and distress signals in accordance with the requirements of the Convention and the International Regulations for Preventing Collisions at Sea in force;
- 2.6 in all other respects, the ship complied with the relevant requirements of the Convention.
- 2.7 the ship ~~was~~ was not ¹ subjected to an alternative design and arrangements in pursuance of regulation(s) II-2/17 / III/38 ¹ of the Convention;
- 2.8 a Document of approval of alternative design and arrangements for fire protection / life-saving appliances and arrangements ¹ ~~is~~ / is not ¹ appended to this Certificate.
3. That the ship operates in accordance with regulation III/26.1.1.1⁶ within the limits of the trade area
N/A
4. That an Exemption Certificate ~~has~~ has not ¹ been issued.
- This Certificate is valid only when Record Form E issued at Houma, United States on 12 October 2022 is attached.
- This certificate is valid until 11 October 2027 ⁷ Subject to the annual and periodical surveys in accordance with regulation I/8 of the Convention.

Completion date of the survey on which this certificate is based: 12 October 2022Issued at Houma, United States on 12 October 2022
(Place of Issue of Certificate) (Date of Issue)


Electronically Signed By
Brigoli, Alan J., Houma Port
Surveyor, American Bureau of Shipping



3. Certificado Internacional de Prevenção da Poluição por Óleo (IOPP)



Certificate No.: 08195209-5283340-053

INTERNATIONAL OIL POLLUTION PREVENTION CERTIFICATE

(This Certificate shall be supplemented by a Record of Construction and Equipment)

Issued under the Provisions of the
International Convention for the Prevention of Pollution from Ships, 1973,
as modified by the Protocol of 1978 relating thereto and as amended,
(hereinafter referred to as "the Convention")
under the authority of the Government of

United States of America

(name of state)

by American Bureau of Shipping

Particulars of Ship

Name of Ship	Distinctive Number or Letters	Port of Registry
MS VIRGIE	1213714 WDN3527	Galliano, LA
Gross Tonnage ¹ a) According to footnote ² b) According to footnote ³	Maximum Deadweight of Ship (metric tons) ⁴	IMO Number
2998	-	9529657

Type of Ship¹:

Oil-Tanker

Ship other than an oil-tanker with cargo tanks coming under Regulation 2(2) of Annex I of the Convention

Ship other than any of the above

THIS IS TO CERTIFY:

- That the ship has been surveyed in accordance with Regulation 6 of Annex I of the Convention;
- That the survey shows that the structure, equipment, systems, fittings, arrangement and material of the ship and the condition thereof are in all respects satisfactory and that the ship complies with the applicable requirements of Annex I of the Convention.

This Certificate is valid only when Supplement Form A issued at Houma, United States

on 12 October 2022 is attached.

This certificate is valid until 11 October 2027⁵ subject to surveys in accordance with Regulation 6 of Annex I of the Convention.

Completion date of the survey on which this certificate is based: 12 October 2022

Issued at Houma, United States

(Place of Issue of Certificate)

on 12 October 2022

(Date of Issue)



Electronically Signed By
Brigoli, Alan J., Houma Port
Surveyor, American Bureau of Shipping



4. Certificado Internacional de Prevenção da Poluição do Ar (IAPP)



Certificate No.: 08195209-5283340-231

INTERNATIONAL AIR POLLUTION PREVENTION CERTIFICATE

Issued under the provisions of
the Protocol of 1997, as amended,
to amend the International Convention for the Prevention of Pollution from
Ships, 1973, as modified by the Protocol of 1978 related thereto
(hereinafter referred to as "the Convention")
under the authority of the Government of:

United States of America

(name of state)

by American Bureau of Shipping

Particulars of Ship

Name of Ship		Distinctive Number or Letters	
MS VIRGIE		1213714 WDN3527	
IMO Number ¹	Port of Registry	Gross Tonnage	
9529657	Galliano, LA	2998	

THIS IS TO CERTIFY:

1. That the ship has been surveyed in accordance with regulation 5 of Annex VI of the Convention; and
2. That the survey shows that the equipment, systems fittings, arrangements and materials fully comply with the applicable requirements of Annex VI of the Convention.

This Certificate is valid only when Supplement IAPPC-VI 2008 issued at Houma, United States
on 12 October 2022 is attached.

This certificate is valid until 11 October 2027 ² subject to surveys in accordance with regulation 5 of Annex VI of the Convention.

Completion date of the survey on which this certificate is based: 12 October 2022

Issued at Houma, United States on 12 October 2022
(Place of issue of Certificate) (Date of Issue)



Electronically Signed By
Brigoli, Alan J., Houma Port
Surveyor, American Bureau of Shipping



5. Certificado Internacional de Prevenção da Poluição por Esgoto Sanitário (ISPP)

Certificate No.: 08195209-5283340-624

STATEMENT OF VOLUNTARY COMPLIANCE FOR SEWAGE POLLUTION PREVENTION (1973)

Issued to document compliance with the provisions of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, and as amended by resolution MEPC.115(51), (hereinafter referred to as "the Convention")

Under the authority of the Government of
The United States of America

by American Bureau of Shipping

Particulars of Ship:

Name of Ship	Distinctive Number or Letters	Port of Registry
MS VIRGIE	1213714 WDN3527	Galliano, LA
Gross Tonnage	Number of persons which the ship is certified to carry	IMO Number ¹
2998	29	9529657

~~New Ship~~ Existing Ship *

Type of ship for the application of regulation 11.3: *

~~New / Existing Passenger ship~~

Ship other than a passenger ship

Date on which keel was laid or ship was at a similar stage of construction or where applicable, date on which work for a conversion or an alteration or modification of a major character was commenced 30 July 2007

THIS IS TO CERTIFY:

- (1) That the ship is equipped with a ~~Sewage Treatment Plant / Comminuter~~ / Holding Tank * and a discharge pipeline in compliance with regulations 9 and 10 of Annex IV of the Convention as follows:

~~4.1 Description of the sewage treatment plant~~

Type of sewage treatment plant N/A

Name of manufacturer N/A

The sewage treatment plant is certified by the Administration to meet the effluent standards as provided for in resolution MEPC.159 (55).

~~4.2 Description of comminuter~~

Type of comminuter N/A

Name of manufacturer N/A

Standard of sewage after disinfection N/A

*(1.3) Description of holding tank :

Total capacity of the holding tank 24.93 m³

Location Stbd. Side at Frames 21 - 25

Maximum Service speed (kts): 14.0

Maximum Summer draft (m): 5.8

Breadth (m): 18.3

- (1.4) A pipeline for the discharge of sewage to a reception facility, fitted with a standard shore connection.

Certificate No.: 08195209-5283340-624

- (2) The ship has been surveyed in accordance with regulation 4 of Annex IV of the International Convention for the Prevention of Pollution from Ships, 1973.
- (3) That the survey shows that the structure, equipment, systems, fittings, arrangements and material of the ship and the condition thereof are in all respects satisfactory and the ship complies with the applicable requirements of Annex IV of the Convention.

This statement is valid until 11 October 2027² subject to surveys in accordance with regulation 4 of Annex IV of the Convention.

Completion date of the survey on which this statement is based: 12 October 2022

Issued at Houma, United States on 12 October 2022



Electronically Signed By
Brigoli, Alan J., Houma Port
Surveyor, American Bureau of Shipping