

MARINE POLLUTION SERVICES SAS

Marpol I, IV, VI and Slops Disposal



The company

- Marine Pollution Services is an integrated port reception facility that performs reception of Marpol residues I,IV and VI and performs fuel valorization lowering the carbon footprint of managers and shipping lines while promoting circular economies in the industry.



Operation Areas



Seaport Area

Cartagena, Colombia



Terminals

Sociedad Portuaria de Cartagena

Contecar

Compas

Puerto Bahía

Puerto Mamonal

Buenavista

Vopak

Bavaria

Anchorage



Processing Plant

Sociedad Portuaria Mardique

Marpol Plant

- ▶ **Production Lines:**
 - ▶ Fuel recovery
 - ▶ Wastewater treatment and disposal
 - ▶ Solids dehydration
- ▶ **Location:** Canal del Dique, Cartagena
- ▶ **Discharge facilities:**
 - ▶ Pier for barges
 - ▶ Truck unloading bay
- ▶ **Plant Capabilities:**
 - ▶ Waste oil: 35.000 Tons/year
 - ▶ Wastewaters: 5 Lt/Seg
- ▶ **Residues authorize to receive:**
 - ▶ Marpol I,IV,VI
 - ▶ Slops
 - ▶ Used lube oil
 - ▶ Industrial wastewater
 - ▶ Drilling fluids

Oil processing unit

Main Processes

Decantation

Heavy metal
removal

Primary
centrifugation

Secondary
centrifugation





Oil Processing Unit

Chemical Processes



Decantation Unit

- Free water separation with chemical and thermal application.
- Capacity: 4 Tons/Hr
- Free water to wastewater treatment plant.



Heavy Metal Removal

- Removal of heavy metals (Al, Si, Va, Zn, Cr) with chemical, mixing and thermal application.
- Capacity: 4 Tons/Hr
- Free water to wastewater treatment plant.

Oil Processing Unit

Centrifugation processes



Primary centrifugation unit

- Three phase separation by application of centrifugal force that results in:
 - Oil BSW6
 - Wastewater
 - Solids



Secondary centrifugation unit

- Three phase separation by application of centrifugal force that results in:
 - Oil BSW0,5
 - Wastewater
 - Solids

Wastewater Treatment Plant

Primary processes

Wastewater treatment plant with a flow capacity of 5 ltrs/seg with the following stages:

Physics-chemical process

Aerobic biologic reactor

Secondary clarification

Sedimentation filter with activated charcoal

Wash water filter

Sludge thickening for physics-chemical process

Sludge thickening for biological process

Drying bed



Authorizations

The Marpol Plant has the following authorizations for its operations:

Resolución 1340 2017 (Cardique):

Authorizes the reception, transportation of Marpol residues by barge or truck.

Resolución 1513 2018 (Cardique):

Authorizes the treatment of waste oil, wastewater, Marpol and slops and the disposal of treated water

Resolución 1237 2019 (Cardique):

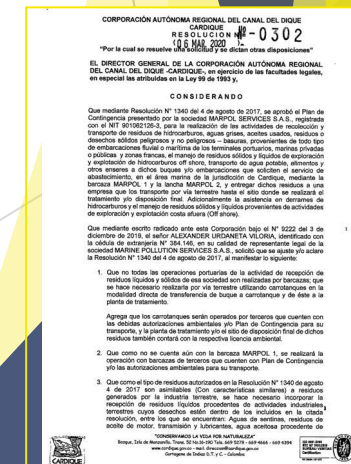
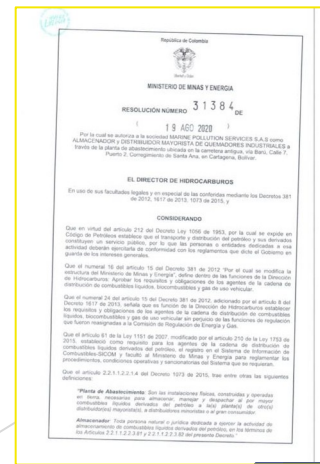
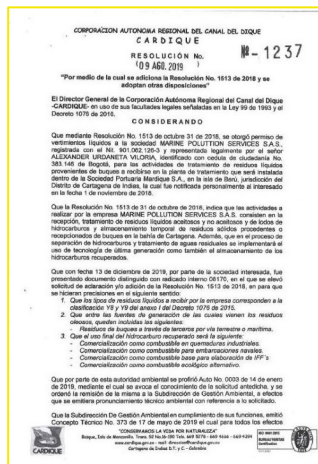
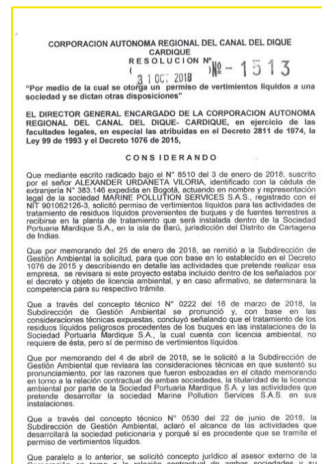
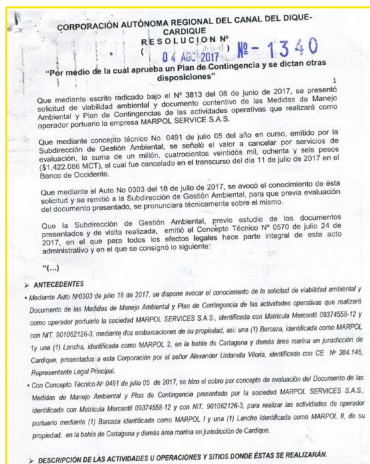
Authorizes the valorization of recovered oil and the reception of waste from third party operators.

Resolución 31384 2020 (Ministerio de minas y energía):

Authorizes the plant as a storage and distribution plant for industrial fuels.

Resolución 302 de 2020

Authorizes the reception of waste from barge and trucks using owned or third party companies.



Barge operation

Our own barge capabilities are the following:



Name:

- MARPOL 1

Registry:

- MC-05-739

Capacity:

- 240 Cbm

Engine:

- 2 x 180 Hp

Authorizations:

- Commercial License Dimar N. 553
- Port Operator Registry N. 202110221022934

Barge operation

We count with an external barge provided by a third-party supplier with the following characteristics:



Name:

- Fenix Ave.

Registry:

- MC-05-714

Capacity:

- 150 Cbm

Engine:

- 2 x 180 Hp

Authorizations:

- Commercial License Dimar N. 060
- Port Operator Registry N. 20012310594649

Certifications:

- ISO28000 N. CO19/8962

Our clients



Hapag-Lloyd



Eastaway

Our operation



Between 14 and 18 vessels served per month.



More than 550 CBM unloaded and treated in our facilities per month.

End

Marine Pollution Services SAS
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