



Global Leader in Pumps and Pollution Control Solutions

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July 2009 Mycelx Bilge Systems Mycelx bilge systems are installed on two touring yachts, the Integrity and Reina, operated by Pacific Marine Enterprises in the Galapagos Islands National Park. Water traffic in the marine reserve is controlled by the Merchant Marine Authority. In 2007 the Mycelx filter technology was presented to the Park marine biologist with the support of ADATUR, the local shipping authority. The Park approved the Mycelx system and subsequently passed a regulation requiring that all vessels operating in the reserve to have a bilge water treatment system that meets MARPOL regulations. The Mycelx systems consist of four BK-3s operated in parallel to handle the ships' 80-gpm bilge pumps. The filters are followed by a Deckma OCM and last about four months. The Mycelx system is capable of achieving zero to five ppm at the discharge and requires less than five psi of operating pressure.

Dated 2015, Operations Manual for the NEMO III vessel.

<https://maepngalapagos.files.wordpress.com/2015/04/declaratoria-de-impacto-ambiental-nemo-iii-v2-con-anexos.pdf>

6.4.6.3.- Tratamiento de aguas oleosas

La embarcación cuenta con un sistema de filtros separadores de aguas oleosas proveniente de los residuos de la máquina y de la sentina, de marca MYCELX Technologies Corporation. Estos filtros reducen la concentración de hidrocarburos mezclados en el agua de sentina ha concentraciones de 5 partes por millón. Existen dos sistemas, uno a cada lado del casco. Las principales características de estos filtros son:

- Simples y eficaces para el tratamiento de aguas oleosas de sentina,
- Pequeño, compacto y de bajo costo.
- Garantiza eliminar la película de hidrocarburos durante la descarga.
- Capaz de alcanzar menos de 0-5 ppm en la descarga
- No requiere el adicional de la bomba de 5 PSI de presión para su funcionamiento.
- Mycelx Incorpora filtros de extracción de aceite
- Fácilmente detección cuando están sucios y fáciles recambio.

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6.4.6.3 treatment of oily water

the boat has a system of oily water separator filters from residues of the machine and the bilge, mark MYCELX Technologies Corporation. These filters reduce the concentration of hydrocarbons in the bilge water has concentrations of 5 parts per million. There are two systems, one on each side of the hull. The main features of these filters are:

- Simple and effective for the treatment of oily bilge,
- small, compact and low-cost water.
- Guarantee to remove the film of oil during discharge.
- Able to reach less than 0-5 ppm in the discharge
- do not require the additional pump 5 PSI of pressure to operate.
- Incorporates Mycelx filters oil extraction
- easy detection when they are dirty and easy replacement.