



DENR Mimaropa Region &lt;mimaroparegion@denr.gov.ph&gt;

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## Non-toxic oil spill control technology

1 message

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**Sulu Garden Foundation, Inc.** <sulugardenfoundation@gmail.com>  
To: mimaroparegion@denr.gov.ph

Wed, Mar 22, 2023 at 6:35 PM

Sulu Garden Foundation, Inc. is a non-profit corporation and duly registered with the Philippine Securities and Exchange Commission. For more information about the Foundation, please see our website: [www.sulugardenfoundation.org](http://www.sulugardenfoundation.org). Our primary areas of interest include conservation sciences, heritage preservation and community development.

We wish to share with you our recent discovery of a clay-based, non-toxic technology that could help mitigate the oil spill situation caused by the sinking of MT Princess Empress at Oriental Mindoro. To learn more, please visit this link: [Sulu Garden Foundation, Inc. has developed a novel non-toxic technology to address Philippines' oil spill](#). Following the news, the oil now is in danger of reaching the shorelines of Palawan, which is as we all know, is one of the most important tourist destinations here, in the Philippines.

We conducted a series of experiments to test the effectivity of this technology in seawater. This specialized clay mineral when dispersed on top of the oil spill sample (collected from the waters of Mindoro), acts as sorbent (a substance that collects molecules of another substance by sorption). This action will be accelerated by wave movements to mix the clay with the oil. Then the clay with oil will sink to the bottom of the ocean where it will be biodegraded by marine bacteria at the bottom of the sea. This clay technology will also aid in the removal of oils from rocks and mangroves.

We expect this technology will help especially with the current oil spill situation of the country.

Thank you for your interest. Please let us know if you need further information.

Sincerely yours,

**NORIELLE G. DIAMANTE**

*Senior Science Officer*

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