



Organic Remediation Products

Sewage Sludge Treatment & Remediation

BIOREMEDIATION

01

- Microbial treatment of sewage sludge was not successfully carried out in the past due to numerous reasons such as lack of understanding in technology, variations in the sewage sludge pollutants, environmental conditions etc. Our product for sewage sludge treatment works in such a way that it is effective in reducing various pollutants present in the sludge and at the same time effective in different environmental conditions

Sewage sludge is a byproduct of waste water (Sewage) treatment process. Generally, these sludges are rich in organic materials along with nitrogen and phosphorous. Polycyclic Aromatic Hydrocarbons (PAHs) are common pollutant nowadays which are widespread in the environment such as in soils, sediments & sewage sludges. These pollutants are generally considered toxic and some of these compounds found to be carcinogenic

HEALTHY LIVING

02

- In Asia, 90% of child deaths are attributed to diarrheal deaths due to contaminated water, lack of sanitation or inadequate hygiene. At the end of the treatment, the contaminated sewage sludge will become a useful nutrient source which are rich in beneficial microbes. With an estimated 89% of the extracted sludge being disposed of in open public spaces and rivers. The contamination of the shared environment has a detrimental effect on people's health



03

BENEFITS

- Our microorganisms use pollutants as a source of food. They feed on it and break it down, gradually decontaminating the sludge.
- The end product can be used for agricultural purposes and will be a good source of various nutrients and beneficial microbes.
- It is a natural and inexpensive way to repurpose the sludge. Up to 75% less expensive than excavation and off-site disposal.
- A healthy soil food web has many benefits for gardeners, farmers and turf growers.
- Healthy soil, rich in organic matter, greatly reduces and can even prevent water pollution.
- Organic Remediation Products do not involve significant energy inputs or do they result in the sterilization of the soil unlike other treatment systems.
- Healthy soils retain and/or break down pesticides, heavy metals, and other pollutants.

Summary

- ✓ Formula contains a mixture of up to 15 Micro Organisms that consume sewage sludge and reduce pollutant levels 20 times in just a few weeks
- ✓ Faster and more effective than traditional remediation methods
- ✓ Sewage sludge becomes biosolids which can be used as valuable fertilizer
- ✓ Create a clean and healthy environment and reduce space in landfills
- ✓ Reduce illness and disease caused by contaminated soil and water
- ✓ Lower carbon footprint than excavation and burning sludge