



About us

Eco Oil Ltd. at Haifa Bay Israel, certified to treat industrial sewage, collects and treats emulsion, oil and hazardous waste.

Since it was established in 2002, Eco Oil company has had a main guideline of environmental responsibility at the top of its interests.



Industrial Sewage

Industrial sewage has high pollution potential for water sources and soils.

Therefore, there is a big importance in treating this kind of wastewater properly.

Eco oil is capable of handling various kinds of industrial wastewater:



Treatment

- Liquids from heavy industry, garages, gas stations, ports, power stations and more.
- Organic fats from food separators in the food industry, catering companies, restaurants, hotels, slaughterhouses, etc.



Treatment

- Hazardous materials and effluents from manufacturing processes of metal coating plants, wastewater containing heavy metals, acids and bases.

Recycling

Eco oil makes use of advanced technology for separation and recycling:

- Water recycling - separation of the water pollutants and reuse of the water for agricultural irrigation.
- Oil recycling - after separation the oil can be refined and used for bio-diesel or bio-gas.



Recycling

- Solids recycling - for reuse or to be buried.
- Energy recovering - waste to energy. The company exports hazardous wastes issued from treatment to European sites. Then high caloric waste is incinerated and produce energy.

The company issues certificates of approval for exportation and disposal are in compliance with the Ministry of Environment Protection.



Treatment

Wastewater undergo some processes of treatment such as:

Filtration and Physico-chemical separation (centrifuge and chemical flocculation/sedimentation). Each resulted product is recycled as said before and the effluents are then treated in a biological process.



Treatment

There are several possibilities and various processes of treating industrial wastewater, one of them is purification through bacteria.

Such a process can be carried out by special filters through which sewage is being discharged, as well as by unique methods such as beads immersed in sewage concentrations.



Treatment

The effluents that pass through the **bacteria** undergo a process of organic disintegration. The organic materials are separated and create sludge.



Treatment

The effluents then enter the **sand and activated carbon** columns system which improve their purification.



Tanks and ISO Tanks cleaning

Eco oil also owns an advanced washing device for ISO Tanks and Tanks which contained chemicals. It can wash wide variety of materials, including substances defined as dangerous. The system was made in Germany, it is automatic and was assembled professionally by the manufacturer.

The facility operates under the strictest requirements of the Ministry of Environmental Protection and the fire services.



Tanks and ISO Tanks cleaning

Eco Oil offers a full range of services: storage, transport, repair and rinsing of the containers.

The containers are rinsed from the residue of any material present in it and the outgoing water is transferred to a treatment and recovery procedure in our nearby treatment facility.





Intermediate Bulk Containers (IBC) cleaning

Due to the increasing demand for an efficient economic and environmental solution for washing the IBC totes, the company has expanded its services and is cleaning it from hazardous materials.

The facility provides solutions for a wide variety of IBC sizes, using modern technologies. It uses new technologies that enable the handling of a wide variety of materials, including those defined as dangerous according to the standards.



Intermediate Bulk Containers (IBC) cleaning

The washing of the IBC's is carried out in a closed system that saves water and prevents the release of hazardous vapors into the atmosphere that are released as a result of the cleaning process.

