

إرشاد فني

TECHNICAL GUIDELINE

رقم (9)

إرشادات بشأن إدارة/ التخلص من نفايات محطات الخدمة
Guidelines for Service Station Wastes Management/ Disposal

يونيو - June- 2011



Introduction:

In Dubai, Service Stations vary in size, from small petrol outlets to large integrated facilities that may include vehicle fueling services/petrol sales, convenience store/restaurants, workshops and vehicle wash bays. Waste generated from such facilities, therefore varies in terms of quantities and types.

Rationale:

The purpose of these guidelines is to guide service station operators of the measures to be undertaken on the proper handling and management of wastes being generated from their facilities in accordance with Dubai Local Order (61/1991) - "The Environmental Protection Regulations in the Emirate of Dubai".

Guidelines for Managing Waste from Service Stations:

General wastes from Service station's restaurant:

1. Food wastes and the wastes normally associated with commercial kitchens are general wastes which should be deposited regularly into the waste disposal skips.
2. Garbage other than food wastes generated from convenient stores such as empty soda cans, plastic bottles, etc. shall be segregated from other biodegradable materials for possible recycling.
3. Wastewater generated from kitchen activities must be conveyed through a suitably sized grease trap prior to disposal to sewer or to a septic tank in areas where public sewerage system is not available. Grease traps shall be regularly maintained and cleaned at least once a week.

Wastes from Workshops/ Service Bays:

1. Oil contaminated wastes; waste containers of oil, radiator additives etc., and the quantities generated from normal activities shall be collected and segregated from general waste for proper disposal as per ECS Technical Guideline No. (1).
2. Service stations should keep a supply of chemical spill kit a material for dry clean up of fuel or oil spills. Dry clean-up methods are preferred over water flushing of spills off the affected areas.
3. Sand used to absorb fuel spills should be spread out letting fuel to evaporate before disposal into waste skips.
4. Used lube oil collected in drums or suitable containers shall be given to registered company for collection and recycling. Companies are encouraged to deal with recyclers who have permit from Environment Control Section.
5. Batteries should be drained of acids employing all safety precautions (gloves, goggles and rubber apron). Waste Acids should be marked and stored in plastic carboys and disposed of either by the operator or parent company in accordance

with ECS Technical Guideline No. (1). Battery cases should be sold to recycling companies.

6. Record should be maintained for the Ferro-metal parts collected in drums and sold to metal recyclers.
7. Empty 200 liters drums should be returned for refilling or sold to drum recyclers approved by Dubai Municipality.
8. No solvents, oils, petrol, acid should be discharged to the sewer, septic tanks or drainage systems.
9. Incompatible materials or wastes shall be segregated and stored properly

Vehicle Washing

1. Vehicle wash waters shall be conveyed through a triple interceptor designed in accordance with ECS Technical Guideline No. (3) before disposal to sewer or DM-STP.
2. The interceptor trap shall be regularly cleaned and maintained so as to prevent floating oil to reach the on the final compartment.
3. Oil collected from interceptors shall be recycled through ECS approved/permitted contractors or disposed of as hazardous waste in accordance with ECS Technical Guideline No. (1).
4. Waste water shall be disposed of to sewer either directly or via tanker to DM-Waste Treatment Facility (DM-STP or JAHWTH) based on the quality of the wastewater as per the DM wastewater discharge limits. Companies must hold a permit for the disposal of such waste water issued in accordance with ECS Technical Guidelines Nos. (1) or (2).
5. As required, companies shall de-sludge triple interceptor to remove collected sediment. This must be disposed off in accordance with ECS Technical Guideline No. (1).
6. Engines and engine parts must not be washed in vehicle wash bays which drain to the sewer drainage system.

**For further information please visit
www.dm.gov.ae
or call
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