

Development of a solid waste management system in military cities of Ministry of Defense and Aviation ,Kingdom of Saudi Arabia

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English Summary

Has resulted in increased population and rising standard of living and industrial and agricultural progress and not follow the appropriate ways to collect, transport and solid waste processor to increase dramatically the amount of waste and therefore the elements of the environment pollution of the land, water, air and Astnray natural resources in many parts of the world today has become the solid waste management in All the nations of the world is vital for the health and public safety. We are here in this research study for the development of our solid waste management resulting from these cities the military has been on both the study of:

- 1. King Faisal Marine base in the West (Jeddah)**
- 2. King Faisal Military City (khamis Mushayt)**

First - King Faisal Marine base in the West (Jeddah)

1. Results from the King Faisal Marine base is about 14 tons of municipal waste a day, which includes household waste and features, departments and shops, where the waste is stored in the location of production capacity of iron containers 2 yards, the Department of self-Qaeda municipal waste collection vehicles once a day by pressing Qaeda carried out to

the neighborhood power plant transition Petromin.

2. The city produces about 45 tons per day of municipal waste and other wastes including agricultural wastes and demolition waste and the establishment of a broom roads, will be transferred to the majority of these residues in the southern goal rule, while dealing with the waste paper generated by the various departments in the city, burning in the Holocaust allocated to it.
3. There are severe shortages of equipment and the number of workers and the equipment owned by them now in a very dilapidated and inadequate number of workers does not cover the entire work to be done within a day rule.
4. There is no use or re-use any parts of the waste.
5. There is no regulation for the management of administrative services at the base
6. There is considerable scope to deal with the various municipal waste through appropriate environmental, economic and identify appropriate alternatives for dealing with waste Qaeda and possible ways to take advantage of some components of the waste.

Second - King Faisal Military City (khamis Mushayt)

1. Result in the city of King Faisal military currently has about 54 tons of municipal waste a day, which includes household waste and features, departments and shops, where the waste is stored in the location of

production of plastic or metal drums or large metal containers, the city administration self-collection of municipal waste twice a day to vehicles by pressing goal of waste transported to the new reality on the southwestern border of the city.

2. The city produces about 100 tons per day of municipal waste and other wastes including agricultural wastes and demolition waste and the establishment of a broom, roads and waste wood in addition to the vehicles and tires, oils, and will be transferred to the majority of these residues goal near the old city center, while dealing with the waste paper from departments Different in the city, burning in the Holocaust allocated to it.

3. Are now dealing with municipal waste into the net new rudimentary fashion, where the waste disposal site and buried sometimes a layer of soil or buried without a method other environmental problems could lead to health and environmental exploitation and non-scientific manner to the area of the site, and an open goal to enter the huge numbers of monkeys and dump the contents of that abuse and lead to waste long distances from the site and the presence of large numbers of monkeys affect on the operations of individual transport and waste burial.

4. There is no use or reuse any of the waste, except some of the quantities of oil to be used in road works and the remainder is dumped into the net.

5. There is considerable scope to deal with the waste through the city different environmental, economic and identify appropriate alternatives to deal with waste and possible ways the city to take advantage of some components of the waste.

6. The presence of large numbers of monkeys are dug up and spreading of waste over large areas, as they hinder the operations of the rubble and causing damage to equipment at the site and multiply too much.