



FOOD WASTE MANAGEMENT

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Abstract :

Food waste or food loss is that is discarded or cannot be used. The causes of food waste are numerous and occur at the stage of production processing retailing and consumption. As of (2013) half of all food is wasted world wide .According to the British Institution of mechanical engineers loss & wastage occurs all stages of food supply chain .In low income countries most loss occur during production , while in the develop countries much food about 100 kilo gm / person / year is waste at the consumption stage. Food loss measures the decrease edible food mass throughout the part at the supply chain that specifically leads to edible food for human consumption that is loss at the production postharvest and processing stage. One way of dealing with food waste is to reduce its creation consumers can reduce spoilage by planning their food shopping, avoiding , potentially wasteful spontaneous purchases and storing food properly

Keywords: *high level radioactive waste management, lean manufacturing, mini waste*

Definition:

The definition of waste is a contentious subject, often define on a situational basis this also apply to food waste. In the European union, food waste was define as any food substance Raw or cooked which is discarded or intended or required to discarded.

Causes:

In developing & developed countries which operate either commercial or industrial agriculture food waste can occurs at most stages of the food industries in significant amount. Involve are relatively unknown & difficult to estimate. Some of the food waste produced by processing can be difficult To reduce without affecting the quality of finished food.

Packaging protects food from damaged during its transportation from farms & factories via ware houses to retailing as well as preserving its freshness upon arrival although it avoids considerable food waste packaging can compromise efforts to reduce food waste in another ways , such as contaminating waste that could be used for animal feed stocks. Retail store





can throw away large quantities food. usually this consist of items that have reached either best before, sale by use by date.

Reduction and Disposal:

Response to the problem of food waste at all social level has varied hugely , including complaining from advisory and environmental groups and concentrated media attention of on the subject .As alternative to landfills, food waste can be composted to produce soil and fertilizer, fed to animal or used to produce energy or fuel

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Landfills and Greenhouse:

Duping fwd waste in a landfill causes about as it decomposed attracts files and vermin, and has the potential to add

Biological Oxygen Demand:

In countries such as the United States and the United Kingdom , food scraps constitute around 197 of the waste dumped in landfills where it ends up rotting and producing methane a greenhouse gas.

Municipal collection:

In areas where waste collection is a public function food west is usually managed by the same government organization as other waste collection most fwd waste is combined with general waste at the source separate collection also shown as source separated organics have the advantage that fwd waste can be disposed of in way not applicable to other wastes .

From the end of the 19th century many municipalities collected food waste (called garbage)separately this was typically disinfected by steaming and fed to pigs, either or privet farms or in municipal piggeries

Food waste can be biodegraded by composting and reused to fertilize soil vermin compositing is the practice of feeding scraps to worms who produce fertilized soil as a byproduct.

Food waste can be composite at home, avoiding central collection entirely ,and many local authorities have scheme to provide subsidized





composting bin system . However the proportion of the population willing to dispose of their food waste in that way may be limited.

Commercially food waste in the form of wastewater coming from commercial kitchen single dishwasher and floor drains is collected in holding called grease interceptor to minimize flow to the solar system. this after foul –smelling waste contains both organic and inorganic waste and may also contains hazardous hydrogen sulfide gasses . it is referred to as fats oils, and grease waste or more commonly brown especially in the USA , for the aging sewer system.

High level radioactive waste management –high concern management and disposal of highly radioactive materials created during production of nuclear power and nuclear.

Lean manufacturing- elimination of waste (muda) within a manufacturing process lean also takes into account waste created through over burden and waste created through.

Mini waste- cofounded by the LIFE programme of the European commission it is designed to bring bio waste beak to life in other words, it is intended demonstrate .

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